SERIES 6

630
640
650

LCD TV

user manual

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Model _____ Serial No._____

SAMSUNG

❑ Important Warranty Information Regarding Television Format Viewing

✎ See the warranty card for more information on warranty terms.

Wide screen format LCD Displays (16:9, the aspect ratio of the screen width to height) are primarily designed to view wide screen format full-motion video. The images displayed on them should primarily be in the wide screen 16:9 ratio format, or expanded to fill the screen if your model offers this feature and the images are constantly moving. Displaying stationary graphics and images on screen, such as the dark sidebars on nonexpanded standard format television video and programming, should be limited to no more than 5% of the total television viewing per week.

Additionally, viewing other stationary images and text such as stock market reports, video game displays, station logos, web sites or computer graphics and patterns, should be limited as described above for all televisions. Displaying stationary images that exceed the above guidelines can cause uneven aging of LCD Displays that leave subtle, but permanent burned-in ghost images in the LCD picture. To avoid this, vary the programming and images, and primarily display full screen moving images, not stationary patterns or dark bars.

On LCD models that offer picture sizing features, use these controls to view different formats as a full screen picture.

Be careful in the selection and duration of television formats used for viewing. Uneven LCD aging as a result of format selection and use, as well as burned-in images, are not covered by your Samsung limited warranty.

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  The above described warranty repairs must be performed by a SAMSUNG Authorized Service Center. Along with this Statement, the Original Limited Warranty Statement and a dated Bill of Sale as Proof of Purchase must be presented to the Service Center. Transportation to and from the Service Center is the responsibility of the purchaser.

  Conditions covered are limited only to manufacturing defects in material or workmanship, and only those encountered in normal use of the product.

  Excluded, but not limited to, are any originally specified provisions for, in-home or on-site services, minimum or maximum repair times, exchanges or replacements, accessories, options, upgrades, or consumables.

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  ✎ **In the United States : 1-800-SAMSUNG (1-800-726-7864)**

  ✎ **In Canada : 1-800-SAMSUNG**

❑ Precautions When Displaying a Still Image

A still image may cause permanent damage to the TV screen

- Do not display a still image on the LCD panel for more than 2 hours as it can cause screen image retention. This image retention is also known as screen burn. To avoid such image retention, reduce the degree of brightness and contrast of the screen when displaying a still image.
- Watching the LCD TV in 4:3 format for a long period of time may leave traces of borders displayed on the left, right and center of the screen caused by the difference of light emission on the screen. Playing a DVD or a game console may cause a similar effect to the screen. Damages caused by the above effect are not covered by the Warranty.
- Displaying still images from Video games and PC for longer than a certain period of time may produce partial after-images. To prevent this effect, reduce the ‘brightness’ and ‘contrast’ when displaying still images.

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❑ Symbol

Press | Note | One-Touch Button | TOOL Button

SETTING UP YOUR TV

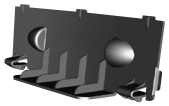
To use your TV, you first have to set it up to suit your environment.

Figures and illustrations in this User Manual are provided for reference only and may differ from actual product appearance. Product design and specifications may be changed without notice in order to enhance product performance.

List of Features

- Adjustable picture settings that can be stored in the TV's memory.
- Automatic timer to turn the TV on and off.
- A special sleep timer.
- Excellent Digital Interface & Networking : With a built-in HD digital tuner, nonsubscription HD broadcasts can be viewed with no Cable Box/Satellite receiver (Set-Top Box) needed.
- HDMI/DVI connection of your PC to this TV.
- Excellent Picture Quality
- SRS TruSurround HD provides a virtual surround system.
- **Media Play**: Allows you to play music files, pictures, and movies saved on a USB.

Accessories

Remote Control (BN59-00853A) & Batteries (AAA x 2)	Power Cord (3903-000144)	Cleaning Cloth (BN63-01798B)
		(M4xL16)
Warranty Card / Safety Guide	Holder-Wire Cable (BN61-05596A) (Depending on the model)	TV-Holder & Screw (X1) (BN96-10788A) (Depending on the model)
 (M4xL16)		
Stand Screw (X4) (6002-001294) LN37B650, LN40B630, LN46B630, LN52B630, LN40B640, LN46B640 Stand Screw (X8) (6002-001294) LN32B650		Cover-Bottom (LN32B650: BN63-05284A, LN37B650: BN63-05285A) (LN40B630: BN63-05286A, LN46B630: BN63-05287A, LN52B630: BN63-05478A) (LN40B640: BN63-05385A, LN46B640: BN63-05254A, LN55B640: BN63-05452A)

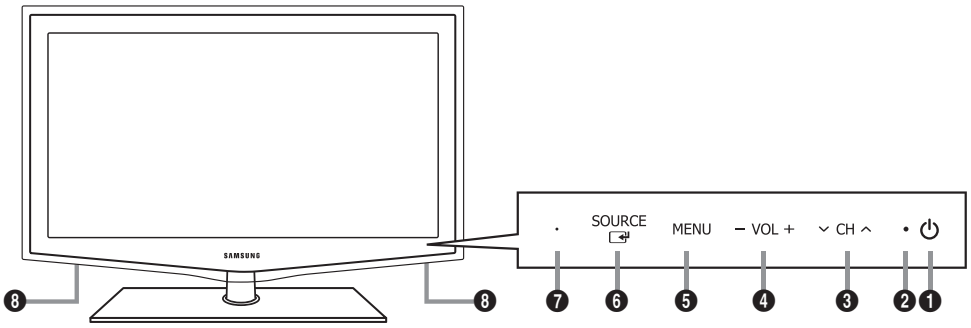
Please make sure the following items are included with your LCD TV. If any items are missing, contact your dealer.

The items color and shape may vary depending on the model.

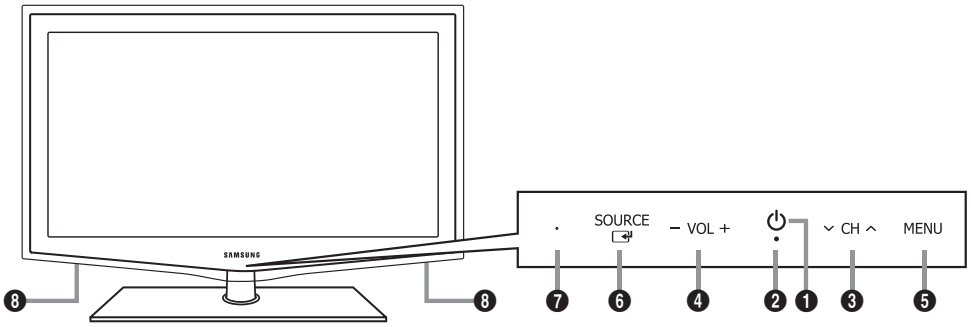
Viewing the Control Panel

- The product color and shape may vary depending on the model.
- The front panel buttons can be activated by touching them with your finger.

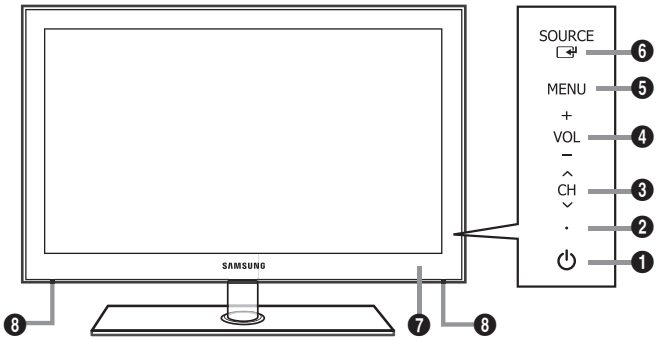
LN32B650, LN37B650



LN40B630, LN46B630, LN52B630



LN40B640, LN46B640, LN55B640



1. **(POWER)**: Press to turn the TV on and off.
2. **POWER INDICATOR**: Blinks and turns off when the power is on and lights up in stand-by mode.
3. **CH**: Press to change channels. In the on-screen menu, use the **CH** buttons as you would use the ▼ and ▲ buttons on the remote control.
4. **– VOL +**: Press to increase or decrease the volume. In the on-screen menu, use the **– VOL +** buttons as you would use the ◄ and ► buttons on the remote control.
5. **MENU**: Press to see an on-screen menu of your TV's features.
6. **SOURCE**: Toggles between all the available input sources. In the on-screen menu, use this button as you use the **ENTER** button on the remote control.
7. **REMOTE CONTROL SENSOR**: Aim the remote control towards this spot on the TV.
8. **SPEAKERS**

Viewing the Remote Control

- You can use the remote control up to a distance of about 23 feet from the TV.
- The performance of the remote control may be affected by bright light.
- The product color and shape may vary depending on the model.

❶ **POWER** : Turns the TV on and off.

❷ **TV** : Selects the TV mode directly.

❸ **NUMERIC BUTTONS** : Press to change the channel.

❹ **—:** Press to select additional channels (digital) being broadcast by the same station. For example, to select channel '54-3', press '54', then press '—' and '3'.

❺ **− VOL +** : Press to increase or decrease the volume.

❻ **SOURCE**: Press to display and select the available video sources.

❼ **CH LIST** : Used to display Channel Lists on the screen.

❽ **TOOLS** : Use to quickly select frequently used functions.

❾ **INFO.L** : Press to use the News, Stock Market and Weather Forecast information services available over Samsung's network.

❿ **COLOR BUTTONS** : Use these buttons in the **Channel list**, **Media Play** menu, etc.

⓫ **MEDIA.P**: Allows you to play music files, pictures, and movies.

⓬ **INFO**: Press to display information on the TV screen.

⓭ **MTS**: Press to choose stereo, mono or Separate Audio Program (SAP broadcast).

⓮ Use these buttons in the **Media Play** and **Anynet+** modes. (●: This remote can be used to control recording on Samsung recorders with the **Anynet+** feature)

⓯ **ON/OFF** : Pressing the **ON/OFF** light button toggles between on and off. When the remote control is on, and a button is pressed on the remote control, the remote control buttons will be lit for a moment. (Using the remote control with the **ON/OFF** light button set to On will reduce the battery usage time.)

⓰ **PRE-CH :** Enables you to return to the previous channel you were watching.

⓱ **MUTE :** Press to temporarily cut off the sound.

⓲ **CH** : Press to change channels.

⓳ **MENU** : Displays the main on-screen menu.

⓴ **FAV.CH** : Press to switch to your favorite channels.

㉑ **RETURN** : Returns to the previous menu

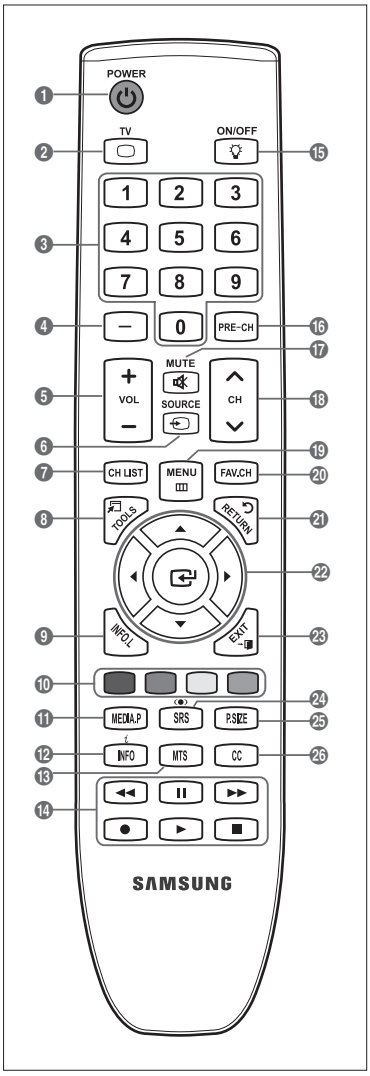
㉒ **UP▲ / DOWN▼ / LEFT◄ / RIGHT► / ENTER** : Use to select on-screen menu items and change menu values.

㉓ **EXIT** : Press to exit the menu.

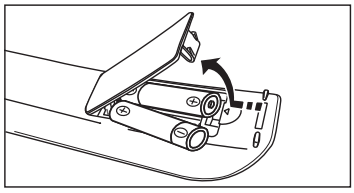
㉔ **SRS**: Selects SRS TruSurround HD mode.

㉕ **P.SIZE**: Picture size selection.

㉖ **CC**: Controls the caption decoder.



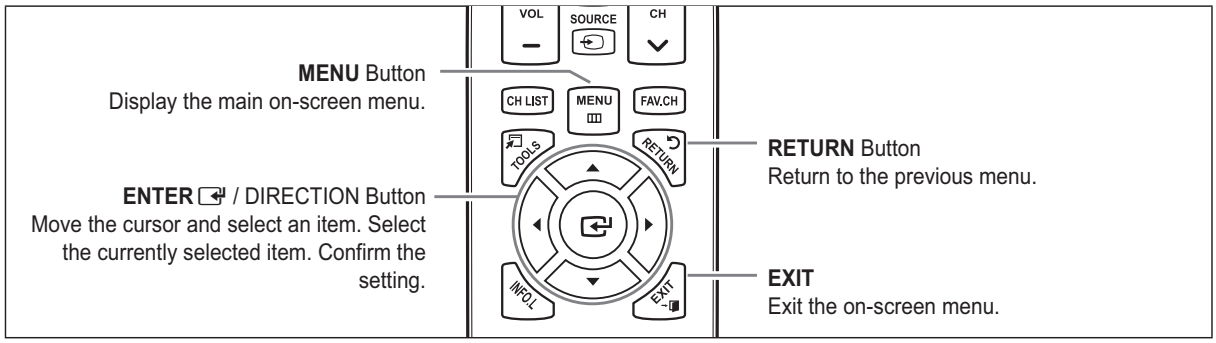
Installing Batteries in the Remote Control



1. Lift the cover at the back of the remote control upward as shown in the figure.
2. Install two AAA size batteries.
   - Make sure to match the '+' and '–' ends of the batteries with the diagram inside the compartment.
3. Replace the cover.
   - Remove the batteries and store them in a cool, dry place if you won't be using the remote control for a long time. (Assuming typical TV usage, the batteries should last for about one year.)
   - If the remote control doesn't work, check the following:
     - Is the TV power on?
     - Are the plus and minus ends of the batteries reversed?
     - Are the batteries drained?
     - Is there a power outage or is the power cord unplugged?
     - Is there a special fluorescent light or neon sign nearby?

Viewing the menus

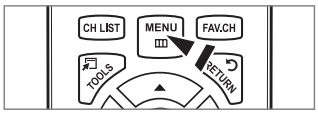
Before using the TV, follow the steps below to learn how to navigate the menu in order to select and adjust different functions.



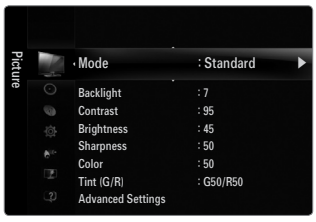
❑ Operation the OSD (On Screen Display)

The access step may differ depending on the selected menu.

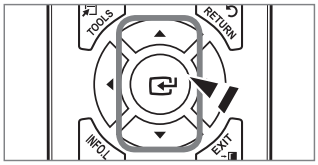
1. Press the **MENU** button.



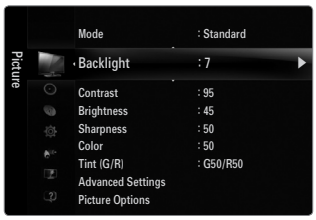
2. The main menu appears on the screen. The menu's left side has icons : **Picture, Sound, Channel, Setup, Input, Application, Support.**



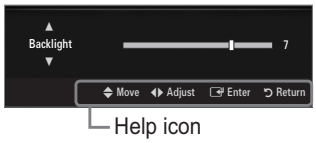
3. Press the ▲ or ▼ button to select one of the icons.



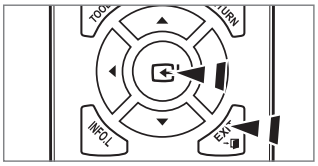
4. Then press the **ENTER** button to access the icon's sub-menu.
5. Press the ▲ or ▼ button to select the icon's submenu.



6. Press the ◄ or ► button to decrease or increase the value of a particular item. The adjustment OSD may differ depending on the selected menu.

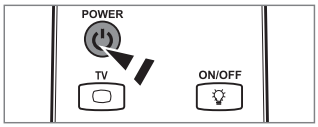


7. Press the **ENTER** button to complete the configuration. Press the **EXIT** button to exit.



Plug & Play Feature

When the TV is initially powered on, basic settings proceed automatically and subsequently.



1. Press the **POWER** ⏻ button on the remote control.
   - You can also use the **POWER** ⏻ button on the TV.
   - The message **Select Language of the OSD.** is displayed.
2. Press the **ENTER** ↵ button. Press the ▲ or ▼ button to select the language, then press the **ENTER** ↵ button. The message **Select 'Home Use' when installing this TV in your home.** is displayed.

3. Press the ◄ or ► button to select **Store Demo** or **Home Use**, then press the **ENTER** ↵ button. The message **Select the Antenna source to memorize.** is displayed.
   - We recommend setting the TV to **Home Use** mode for the best picture in your home environment.
   - **Store Demo** mode is only intended for use in retail environments.
   - If the unit is accidentally set to **Store Demo** mode and you want to return to **Home Use** (Standard): Press the volume button on the TV. When the volume OSD is displayed, press and hold the **MENU** button on the TV for 5 seconds.
4. Press the ▲ or ▼ button to memorize the channels of the selected connection. Press the **ENTER** ↵ button to select **Start**.
   - **Air**: Air antenna signal. / **Cable**: Cable antenna signal. / **Auto**: Air and Cable antenna signals.
   - In Cable mode, you can select the correct signal source among **STD, HRC**, and **IRC** by pressing the ▲, ▼, ◄ or ► button, then press the **ENTER** ↵ button. If you have Digital cable, select the cable system signal source for both Analog and Digital. Contact your local cable company to identify the type of cable system that exists in your particular area.
5. Press the **ENTER** ↵ button to select **Start**. The TV will begin memorizing all of the available channels.
   - To stop the search before it has finished, press the **ENTER** ↵ button with **Stop** selected.
   - After all the available channels are stored, it starts to remove scrambled channels. The Auto program menu then reappears. Press the **ENTER** ↵ button when channel memorization is complete. The message **Set the Clock Mode.** is displayed.
6. Press the **ENTER** ↵ button. Press the ▲ or ▼ button to select **Auto**, then Press the **ENTER** ↵ button. The message **Set to daylight saving time.** is displayed. If you select **Manual, Set current date and time.** is displayed.
7. Press the ▲ or ▼ button to select **Off, On** or **Auto**, then press the **ENTER** ↵ button.
8. Press the ▲ or ▼ button to highlight the time zone for your local area. Press the **ENTER** ↵ button. If you have received a digital signal, the time will be set automatically. If not, refer to the 'Setting the Time' instructions to set the clock.
   (see page 28)
9. The description for the connection method providing the best HD screen quality is displayed. Check the description and press the **ENTER** ↵ button.
10. The message **Enjoy your TV**. is displayed. When you have finished, press the **ENTER** ↵ button.

If you want to reset this feature...

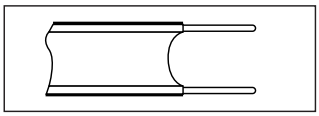
1. Press the **MENU** button to display the menu. Press the ▲ or ▼ button to select **Setup**, then press the **ENTER** ↵ button.
2. Press the **ENTER** ↵ button again to select **Plug & Play**.

- The **Plug & Play** feature is only available in the TV mode.

CONNECTIONS

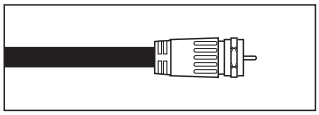
Connecting VHF and UHF Antennas

If your antenna has a set of leads that look like the diagram to the right, see 'Antennas with 300 Ω Flat Twin Leads' below.



If your antenna has one lead that looks like the diagram to the right, see 'Antennas with 75 Ω Round Leads'.

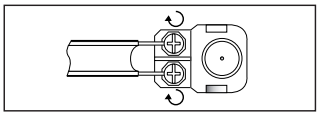
If you have two antennas, see 'Separate VHF and UHF Antennas'.



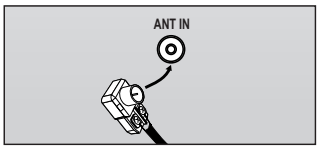
Antennas with 300 Ω Flat Twin Leads

If you are using an off-air antenna (such as a roof antenna or 'rabbit ears') that has 300Ω twin flat leads, follow the directions below.

1. Place the wires from the twin leads under the screws on a 300-75 Ω adapter (not supplied). Use a screwdriver to tighten the screws.

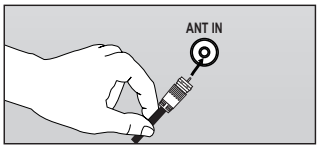


2. Plug the adaptor into the **ANT IN** terminal on the back of the TV.



Antennas with 75 Ω Round Leads

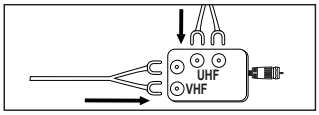
Plug the antenna lead into the **ANT IN** terminal on the back of the TV.



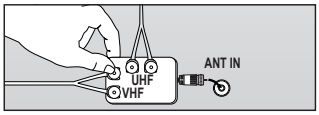
Separate VHF and UHF Antennas

If you have two separate antennas for your TV (one VHF and one UHF), you must combine the two antenna signals before connecting the antennas to the TV. This procedure requires an optional combiner-adaptor (available at most electronics shops).

1. Connect both antenna leads to the combiner.

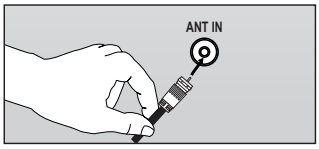


2. Plug the combiner into the **ANT IN** terminal on the bottom of the rear panel.



Connecting Cable TV

To connect to a cable TV system, follow the instructions below.



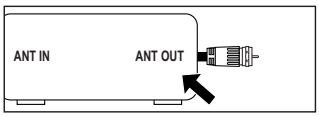
Cable without a Cable Box

Plug the incoming cable into the **ANT IN** terminal on the back of the TV.

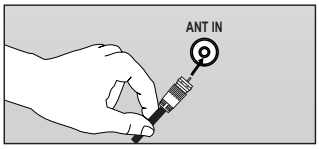
✎ Because this TV is cable-ready, you do not need a cable box to view unscrambled cable channels.

Connecting to a Cable Box that Descrambles All Channels

1. Find the cable that is connected to the ANT OUT terminal on your cable box.
   ✎ This terminal might be labeled 'ANT OUT', 'VHF OUT' or simply, 'OUT'.

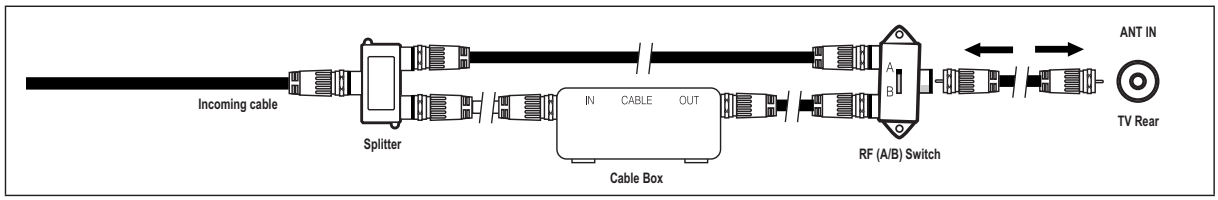


2. Connect the other end of this cable to the **ANT IN** terminal on the back of the TV.



Connecting to a Cable Box that Descrambles Some Channels

If your cable box descrambles only some channels (such as premium channels), follow the instructions below. You will need a two-way splitter, an RF (A/B) switch and four lengths of RF cable. (These items are available at most electronics stores.)

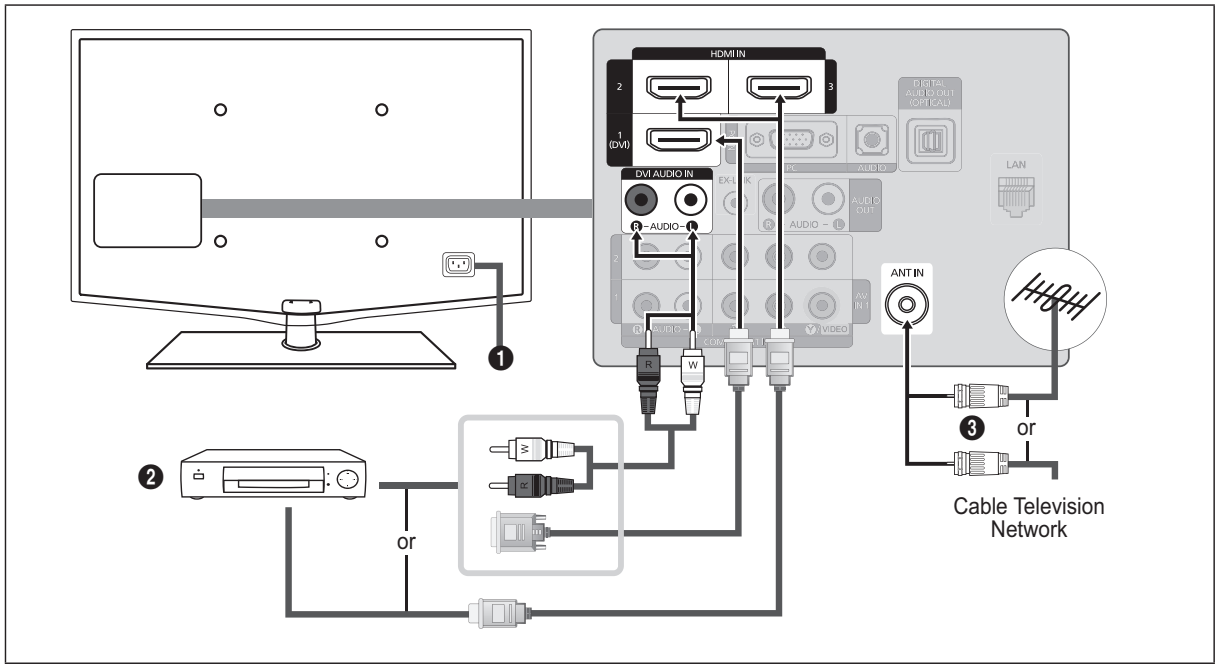


1. Find and disconnect the cable that is connected to the ANT IN terminal on your cable box.
   ✎ This terminal might be labeled 'ANT IN', 'VHF IN' or simply, 'IN'.
2. Connect this cable to a two-way splitter.
3. Connect an RF cable between the OUTPUT terminal on the splitter and the IN terminal on the cable box.
4. Connect an RF cable between the ANT OUT terminal on the cable box and the B–IN terminal on the RF(A/B) switch.
5. Connect another cable between the other OUT terminal on the splitter and the A–IN terminal on the RF (A/B) switch.
6. Connect the last RF cable between the OUT terminal on the RF (A/B) switch and the **ANT IN** terminal on the rear of the TV.
   After you have made this connection, set the A/B switch to the 'A' position for normal viewing. Set the A/B switch to the 'B' position to view scrambled channels. (When you set the A/B switch to 'B', you will need to tune your TV to the cable box's output channel, which is usually channel 3 or 4.)

Viewing the Connection Panel

The product color and shape may vary depending on the model.

Rear Panel



❶ POWER INPUT

Connects the supplied power cord.

The location of the **POWER INPUT** may be different depending on its model.

❷ HDMI IN 1(DVI), 2, 3 / DVI AUDIO IN [R-AUDIO-L]

Connects to the HDMI jack of a device with an HDMI output.

No sound connection is needed for an HDMI to HDMI connection.

What is HDMI?

- HDMI(High-Definition Multimedia Interface), is an interface that enables the transmission of digital audio and video signals using a single cable.
- The difference between HDMI and DVI is that the HDMI device is smaller in size and has the HDCP (High Bandwidth Digital Copy Protection) coding feature installed.

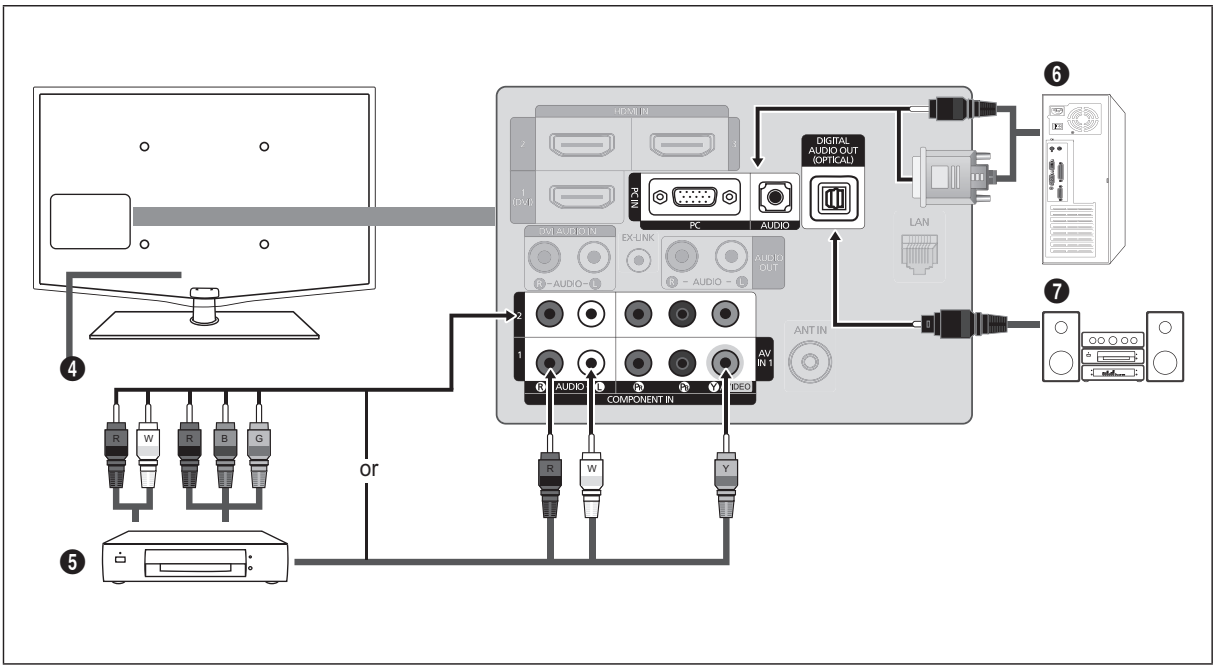
The TV may not output sound and pictures may be displayed with abnormal color when DVD / Blu-ray player / Cable Box / Satellite receiver (Set-Top Box) supporting HDMI versions older than 1.3 are connected. When connecting an older HDMI cable and there is no sound, connect the HDMI cable to the **HDMI IN 1(DVI)** jack and the audio cables to the **DVI AUDIO IN [R-AUDIO-L]** jacks on the back of the TV. If this happens, contact the company that provided the DVD / Blu-ray player / Cable Box / Satellite receiver (Set-Top Box) to confirm the HDMI version, then request an upgrade.

HDMI cables that are not 1.3 may cause annoying flicker or no screen display.

Use the **HDMI IN 1(DVI)** jack for DVI connection to an external device. Use a DVI to HDMI cable or DVI-HDMI adapter (DVI to HDMI) for video connection and the **DVI AUDIO IN [R-AUDIO-L]** jacks for audio. When using an HDMI / DVI cable connection, you must use the **HDMI IN 1(DVI)** jack.

❸ ANT IN

Connects to an antenna or cable TV system.



❹ **KENSINGTON LOCK**

The Kensington Lock (optional) is a device used to physically fix the system when used in a public place. If you want to use a locking device, contact the dealer where you purchased the TV.

- The location of the Kensington Lock may be different depending on its model.

❺ **COMPONENT IN 1, 2 / AV IN 1**

Connects Component video / audio.

The **COMPONENT IN 1** jack is also used as the **AV IN 1** jack.

- Connect the video cable to the **COMPONENT IN 1 [Y/VIDEO]** jack and the audio cable to the **COMPONENT IN 1 [R-AUDIO-L]** jacks.
- If you have a 'mono' (non-stereo) VCR, use a Y-connector (not supplied) to connect to the right and left audio input jacks of the TV. Alternatively, connect the cable to the '**R**' jack. If your VCR is stereo, you must connect two cables.
- When connecting to **AV IN 1**, the color of the **AV IN 1 [Y/VIDEO]** jack (Green) does not match the color of the video cable (Yellow).

❻ **PC IN [PC] / [AUDIO]**

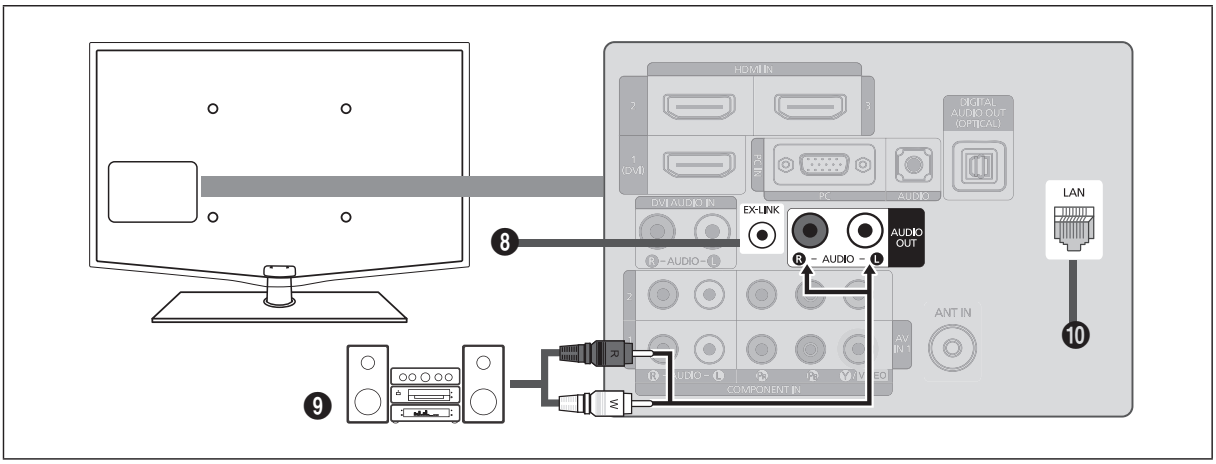
Connects to the video and audio output jacks on your PC.

- If your PC supports an HDMI connection, you can connect this to the **HDMI IN 1(DVI), 2, 3** or **4** terminal.
- If your PC supports a DVI connection, you can connect this to the **HDMI IN 1(DVI) / DVI AUDIO IN [R-AUDIO-L]** terminal.

❼ **DIGITAL AUDIO OUT (OPTICAL)**

Connects to a Digital Audio component such as a Home theater receiver.

- When a Digital Audio System is connected to the **DIGITAL AUDIO OUT (OPTICAL)** jack: Decrease the volume of the TV and adjust the volume level with the system's volume control.
- 5.1CH audio is possible when the TV is connected to an external device supporting 5.1CH.
- When the Home Theater receiver is set to On, you can hear sound output from the TV's Optical jack. When the TV is displaying a DTV(air) signal, the TV will send out 5.1 channel sound to the Home theater receiver. When the source is a digital component such as a DVD / Blu-ray player / Cable Box / Satellite receiver (Set-Top Box) and is connected to the TV via HDMI, only 2 channel sound will be heard from the Home Theater receiver. If you want to hear 5.1 channel audio, connect the digital audio out jack on DVD / Blu-ray player / Cable Box / Satellite receiver (Set-Top Box) directly to an Amplifier or Home Theater, not the TV.



8 EX-LINK

Connector for service only.

9 AUDIO OUT

Connects to the audio input jacks on your Amplifier/Home theater.

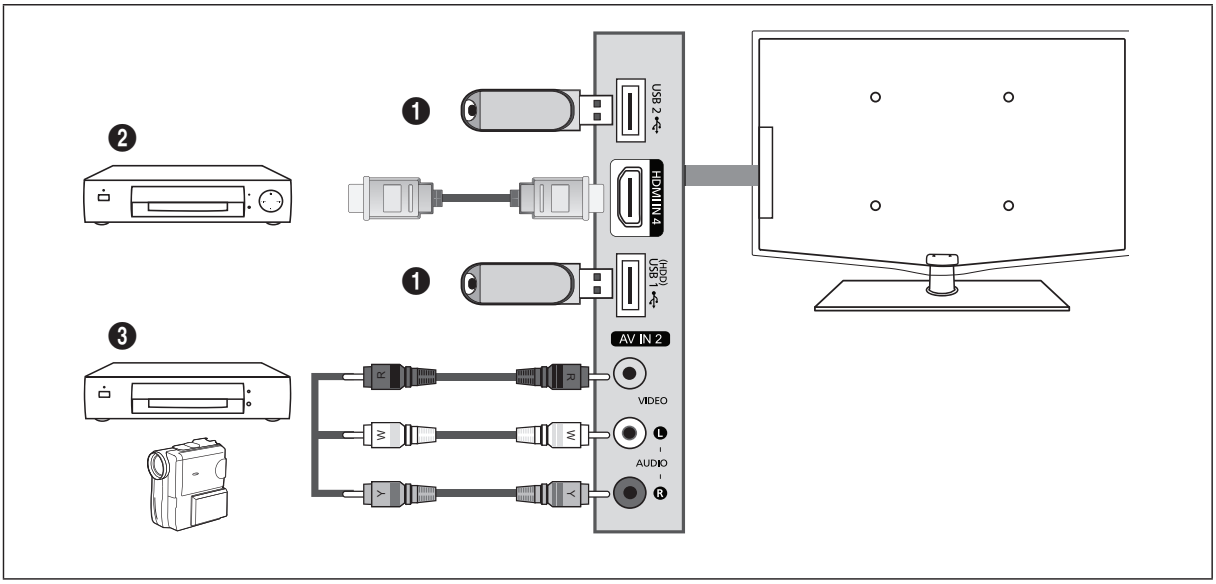
When an audio amplifier is connected to the **AUDIO OUT [R-AUDIO-L]** jacks: Decrease the volume of the TV and adjust the volume level with the Amplifier's volume control.

10 LAN

Connect a LAN cable to this port to connect to the Network.

Side Panel

For devices frequently connected/disconnected from your TV, it is convenient to use the jacks on the side of your TV (e.g. Camcorder).



1 USB1(HDD) / USB2

Connector for software upgrades and Media Play, etc. You can connect to Samsung's network wirelessly using the 'Samsung Wireless LAN Adapter' (Sold separately).

For USB HDD, use the **USB1(HDD)** port.

2 HDMI IN 4

Connect to the HDMI jack of a device with HDMI output.

3 AV IN 2 [VIDEO] / [R-AUDIO-L]

Video and audio inputs for external devices, such as a camcorder or VCR.

CHANNEL

You can configure various settings for your TV channels with features such as Auto Program, Favorite Channels, and Signal Strength.

Channel Menu

❑ Antenna → Air / Cable

Before your television can begin memorizing the available channels, you must specify the type of signal source that is connected to the TV (i.e. an Air or a Cable system).

Press the **TOOLS** button to display the **Tools** menu. You can also set the Antenna by selecting **Tools** → **Switch to Cable** (or **Switch to Air**).

❑ Auto Program

- **Air: Air antenna signal. / Cable: Cable antenna signal. / Auto: Air and Cable antenna signals**

When selecting the Cable TV system: Selects the cable system. **STD, HRC** and **IRC** identify various types of cable TV systems. Contact your local cable company to identify the type of cable system that exists in your particular area. At this point the signal source has been selected.

After all the available channels are stored, it starts to remove scrambled channels (Removing scrambled channel). The Auto program menu then reappears.

If you want to stop Auto Programming, press the **ENTER** button. The **Stop Auto Program?** message will be displayed. Select **Yes** by pressing the ◄ or ► button, then press the **ENTER** button.

❑ Clear Scrambled Channel (digital channels only)

This function is used to filter out scrambled channels after **Auto Program** is completed. This process may take up to 20~30 minutes.

To stop searching scrambled channels: Press the **ENTER** button to select **Stop**. Press the ◄ button to select **Yes**, then press the **ENTER** button.

This function is only available in **Cable** mode.

❑ Channel List

For detailed procedures on using the **Channel List**, refer to the 'Managing Channels' instructions. (see pages 14~15)

You can select these options by simply pressing the **CH LIST** button on the remote control.

❑ Fine Tune (analog channels only)

Use fine tuning to manually adjust a particular channel for optimal reception.

If you do not store the fine-tuned channel in memory, adjustments are not saved.

'*' will appear next to the name of fine-tuned channels.

To reset the fine tuning setting, press the ▼ button to select **Reset**, then press the **ENTER** button.

Managing Channels

Using this menu, you can add / delete or set favorite channels and use the program guide for digital broadcasts.

- **All Channels**
  Shows all currently available channels.
- **Added Channels**
  Shows all added channels.
- **Favorite**
  Shows all favorite channels.
  To select the favorite channels you have set up, press the **FAV.CH** button on the remote control.
- **Programmed**
  Shows all current reserved programs.

Select a channel in the **All Channels, Added Channels** or **Favorite** screen by pressing the ▲ / ▼ buttons, and pressing the **ENTER** button. Then you can watch the selected channel.

Using the color buttons with the Channel List

- Red (**Antenna**): Switches to **Air** or **Cable**.
- Green (**Zoom**): Enlarges or shrinks a channel number.
- Yellow (**Select**): Selects multiple channel lists. You can perform the add/delete or add to Favorite/delete from Favorite function for multiple channels at the same time. Select the required channels and press the yellow button to set all the selected channels at the same time. The ✓ mark appears to the left of the selected channels.
- **TOOLS** (**Tools**): Displays the **Add** (or **Delete**), **Add to Favorite** (or **Delete from Favorite**), **Timer Viewing, Channel Name Edit, Select All** (or **Deselect All**) and **Auto Program** menus (The Options menus may differ depending on the situation.)

Channel Status Display Icons

- ✓ : A channel selected by pressing the yellow button.
- : A program currently being broadcast.
- ♥ : A channel set as a Favorite.
- : A reserved program.

Channel List Option Menu (in All Channels / Added Channels / Favorite)

Press the **TOOLS** button to use the option menu.

Option menu items may differ depending on the channel status.

- **Add / Delete**
  You can delete or add a channel to display the channels you want.

All deleted channels will be shown on the **All Channels** menu.

A gray-colored channel indicates the channel has been deleted.

The **Add** menu only appears for deleted channels.

You can also delete a channel from the **Added Channels** or **Favorite** menu in the same manner.

- **Add to Favorite / Delete from Favorite**

  You can set channels you watch frequently as Favorite.

  Press the **TOOLS** button to display the **Tools** menu. You can also set the add to (or delete from) Favorites by selecting **Tools** → **Add to Favorite** (or **Delete from Favorite**).

  The '♥' symbol will be displayed and the channel will be set as a favorite.

  All favorite channels will be shown on **Favorite** menu.

- **Timer Viewing**

  If you reserve a program you want to watch, the channel is automatically switched to the reserved channel in the Channel List; even when you are watching another channel. To reserve a program, set the current time first.

  Only memorized channels can be reserved.

  You can set the channel, day, month, year, hour and minute directly by pressing the number buttons on the remote control.

  Reserving a program will be shown in the **Programmed** menu.

  Digital Program Guide and Viewing Reservation

  When a digital channel is selected, and you press the ► button, the Program Guide for the channel appears. You can reserve a program according to the procedures described above.

- **Channel Name Edit (analog channels only)**

  Channels can labeled so that their call letters appear whenever the channel is selected.

  The names of digital broadcasting channels are automatically assigned and cannot be labeled.

- **Select All / Deselect All**
  - **Select All**: You can select all the channels in the channel list.
  - **Deselect All**: You can deselect all the selected channels.

  You can only select **Deselect All** when there is a selected channel.

- **Auto Program**

  For detailed procedures on using the **Auto Program**, refer to the 'Channel Menu' instructions. (see page 13)

Channel List Option Menu (in Programmed)

You can view, modify or delete a reservation.

Press the **TOOLS** button to use the option menu.

- **Change Info**

  Select to change a viewing reservation.

- **Cancel Schedules**

  Select to cancel a viewing reservation.

- **Information**

  Select to view a viewing reservation.

  (You can also change the reservation information.)

- **Select All**

  Select all reserved programs.

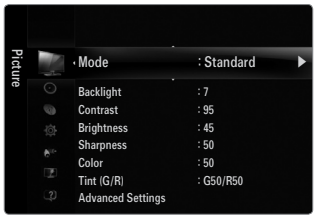
PICTURE

You can configure various picture options such as the picture mode, aspect ratio, and color to suit your personal preferences.

Configuring the Picture Menu

❑ Mode

You can select the type of picture which best corresponds to your viewing requirements.

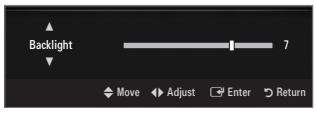


Press the **TOOLS** button to display the **Tools** menu. You can also set the picture mode by selecting **Tools** → **Picture Mode**.

- **Dynamic**
  Selects the picture for increased definition in a bright room.
- **Standard**
  Selects the picture for the optimum display in a normal environment.
- **Natural**
  Selects the picture for an optimum and eye-comfortable display.
  Natural is not available in PC mode.
- **Movie**
  Selects the picture for viewing movies in a dark room.

❑ Backlight / Contrast / Brightness / Sharpness / Color / Tint(G/R)

Your television has several setting options that allow you to control the picture quality.



- **Backlight**: Adjusts the brightness of LCD back light.
- **Contrast**: Adjusts the contrast level of the picture.
- **Brightness**: Adjusts the brightness level of the picture
- **Sharpness**: Adjusts the edge definition of the picture.
- **Color**: Adjusts color saturation of the picture.
- **Tint(G/R)**: Adjusts the color tint of the picture.

When you make changes to **Backlight, Contrast, Brightness, Sharpness, Color** or **Tint(G/R)** the OSD will be adjusted accordingly.

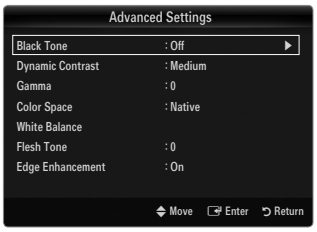
In PC mode, you can only make changes to **Backlight, Contrast** and **Brightness**.

Settings can be adjusted and stored for each external device you have connected to an input of the TV.

The energy consumed during use can be significantly reduced if the brightness level of the picture is lowered, which will reduce the overall running cost.

❑ Advanced Settings

Samsung's new TVs allow you to make even more precise picture settings than previous models.



Advanced Settings is available in **Standard** or **Movie** mode.

In PC mode, you can only make changes to **Dynamic Contrast, Gamma** and **White Balance** from among the **Advanced Settings** items.

- **Black Tone → Off / Dark / Darker / Darkest**
  You can select the black level on the screen to adjust the screen depth.

- **Dynamic Contrast → Off / Low / Medium / High**
  You can adjust the screen contrast so that the optimal contrast is provided.

- **Gamma**
  You can adjust the primary color (red, green, blue) intensity.

- **Color Space**
  Color space is a color matrix composed of red, green and blue colors. Select your favorite color space to experience the most natural color.
  - **Auto**: Auto color space automatically adjusts to the most natural color tone based on program sources.
  - **Native**: Native color space offers deep and rich color tone.
  - **Custom**: Adjusts the color range to suit your preference.
    - Changing the adjustment value will refresh the adjusted screen.
    - Settings can be adjusted and stored for each external device you have connected to an input of the TV. For example, if you have a DVD player connected to HDMI 1 and it is currently selected, settings and adjustments will be saved for the DVD player.
      - **Color: Red, Green, Blue, Yellow, Cyan** or **Magenta**
        - **Color** is available when **Color Space** is set to **Custom**.
        - In **Color**, you can adjust the RGB values for the selected color.
        - To reset the adjusted RGB value, select **Reset**.
      - **Red**: Adjusts the red saturation level of the selected color.
      - **Green**: Adjusts the green saturation level of the selected color.
      - **Blue**: Adjusts the blue saturation level of the selected color.
      - **Reset**: Resets the color space to the default values.

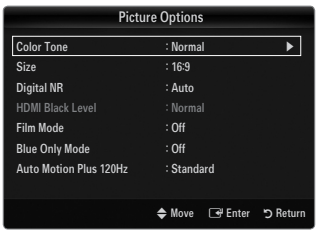
- **White Balance**
  You can adjust the color temperature for more natural picture colors.
  - **R-Offset**: Adjusts the red color darkness.
  - **G-Offset**: Adjusts the green color darkness.
  - **B-Offset**: Adjusts the blue color darkness.
  - **R-Gain**: Adjusts the red color brightness.
  - **G-Gain**: Adjusts the green color brightness.
  - **B-Gain**: Adjusts the blue color brightness.
  - **Reset**: The previously adjusted white balance will be reset to the factory defaults.

- **Flesh Tone**
  You can emphasize the pink 'flesh tone' in the picture.
  - Changing the adjustment value will refresh the adjusted screen.

- **Edge Enhancement → Off / On**
  You can emphasize object boundaries in the picture.

- **xvYCC → Off / On**
  Setting the xvYCC mode to on increases detail and color space when watching movies from an external device (ie. DVD player) connected to the HDMI or Component IN jacks.
  - **xvYCC** is available when the picture mode is set to **Movie**, and the external input is set to HDMI or Component mode.

❑ Picture Options


Picture Options
Color Tone : Normal
Size : 16:9
Digital NR : Auto
HDMI Black Level : Normal
Film Mode : Off
Blue Only Mode : Off
Auto Motion Plus 120Hz : Standard
Move Enter Return

In PC mode, you can only make changes to the **Color Tone** and **Size** from among the items in **Picture Options**.

Color Tone → Cool / Normal / Warm1 / Warm2 / Warm3

Warm1, Warm2 or **Warm3** is only activated when the picture mode is **Movie**.

Settings can be adjusted and stored for each external device you have connected to an input of the TV.

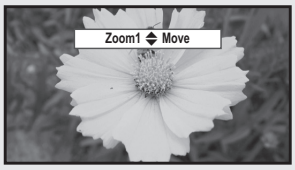
Size

Occasionally, you may want to change the size of the image on your screen. Your TV comes with several screen size options, each designed to work best with specific types of video input. Your cable box/satellite receiver may have its own set of screen sizes as well. In general, though, you should view the TV in 16:9 mode as much as possible.

Alternately, you can press the **P.SIZE** button on the remote control repeatedly to change the picture size.

- **16:9** : Sets the picture to 16:9 wide mode.
- **Zoom1**: Magnifies the size of the picture on the screen.
- **Zoom2**: Magnifies the size of the picture more than **Zoom1**.
- **Wide Fit**: Enlarges the aspect ratio of the picture to fit the entire screen.
- **4:3** : Sets the picture to 4:3 normal mode.
- **Screen Fit**: Use the function to see the full image without any cutoff when HDMI (720p/1080i/1080p), Component (1080i/1080p) or DTV (1080i) signals are input.

16:9



Zoom1

Zoom2

Wide Fit

4:3

Screen Fit

When Double (,) mode has been set in PIP, the Picture Size cannot be set.

Temporary image retention may occur when viewing a static image on the set for more than two hours.

After selecting **Zoom1, Zoom2** or **Wide Fit**: Press the ► button to Select **Position**, then press the **ENTER** button. Press the ▲ or ▼ button to move the picture up and down. Then press the **ENTER** button. Press the ► button to Select **Size**, then press the **ENTER** button. Press the ▲ or ▼ button to magnify or reduce the picture size in the vertical direction. Then press the **ENTER** button.

After selecting **Screen Fit** in HDMI (1080i/1080p) or Component (1080i/1080p) mode, you made need to center the picture: Press the ◄ or ► button to select **Position**, then press the **ENTER** button. Press the ▲, ▼, ◄ or ► button to move the picture.

– **Reset**: Press the ◄ or ► button to select **Reset**, then press the **ENTER** button. You can initialize the setting.

HD (High Definition): 16:9 - 1080i/1080p (1920x1080), 720p (1280x720)

Settings can be adjusted and stored for each external device you have connected to an input of the TV.

Input Source	Picture Size
ATV, AV, Component (480i, 480p)	16:9, Zoom1, Zoom2, 4:3
DTV(1080i), Component (1080i, 1080p), HDMI (720p, 1080i, 1080p)	16:9, 4:3, Wide Fit, Screen Fit
PC	16:9, 4:3

- **Digital NR → Off / Low / Medium / High / Auto**

  If the broadcast signal received by your TV is weak, you can activate the Digital Noise Reduction feature to help reduce any static and ghosting that may appear on the screen.

  ✎ When the signal is weak, select one of the other options until the best picture is displayed.

- **HDMI Black Level → Normal / Low**

  You can select the black level on the screen to adjust the screen depth.

  ✎ This function is active only when an external device is connected to the TV via HDMI. The **HDMI Black Level** function may not be compatible with all external devices.

- **Film Mode → Off / Auto1 / Auto2**

  The TV can be set to automatically sense and process film signals from all sources and adjust the picture for optimum quality.

  ✎ **Film Mode** is supported in TV, Video, Component (480i / 1080i) and HDMI (480i / 1080i).

  - **Off**: Turns the Film Mode function off.
  - **Auto1**: Automatically adjusts the picture for the best quality when watching a film.
  - **Auto2**: Automatically optimizes the video text on the screen (not including closed captions) when watching a film.

- **Blue Only Mode → Off / On**

  This function is for AV device measurement experts. This function displays the blue signal only by removing the red and green signals from the video signal so as to provide a Blue Filter effect that is used to adjust the color and Tint of video equipment such as DVD players, Home Theaters, etc. Using this function, you can adjust the color and Tint to preferred values appropriate to the signal level of each video device using the Red / Green / Blue / Cyan / Magenta / Yellow color Bar Patterns, without using an additional Blue Filter.

  ✎ **Blue Only Mode** is available when the picture mode is set to **Movie** or **Standard**.

- **Auto Motion Plus 120Hz → Off / Clear / Standard / Smooth / Custom / Demo**

  Removes drag from fast scenes with a lot of movement to provide a clearer picture.

  ✎ If you enable **Auto Motion Plus 120Hz**, noise may appear on the screen. If this occurs, set **Auto Motion Plus 120Hz** to **Off**.

  - **Off**: Switches Auto Motion Plus 120Hz off.
  - **Clear**: Sets Auto Motion Plus 120Hz to minimum.
  - **Standard**: Sets Auto Motion Plus 120Hz to medium.
  - **Smooth**: Sets Auto Motion Plus 120Hz to maximum.
  - **Custom**: Adjusts the blur and judder reduction level to suit your preference.
    - **Blur Reduction**: Adjusts the blur reduction level from video sources.
    - **Judder Reduction**: Adjusts the judder reduction level from video sources when playing films.
    - **Reset**: Reset the custom settings.
  - **Demo**: Displays the difference between Auto Motion Plus 120Hz on and off modes.

❑ Picture Reset → Reset Picture Mode / Cancel

Resets all picture settings to the default values.

✎ **Reset Picture Mode**: Current picture values return to default settings.

Viewing Picture-in-Picture

You can use the PIP feature to simultaneously watch the TV tuner and one external video source. This product has one built-in tuner, which does not allow PIP to function in the same mode. Please see 'PIP Settings' below for details.

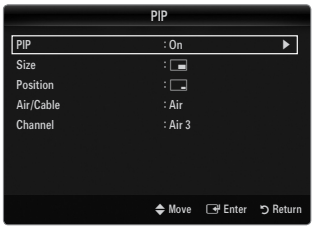
- Press the **TOOLS** button to display the **Tools** menu. You can also configure PIP related settings by selecting **Tools** → **PIP**.
- If you select the PIP picture sound, refer to the 'Configuring the Sound Menu' instructions. (see page 24)
- **PIP Settings**

Main picture	Sub picture
Component 1, 2 HDMI1/DVI, HDMI2, HDMI3, HDMI4 PC	TV

- While **V-Chip** is in operation, the **PIP** function cannot be used.
- If you turn the TV off while watching in PIP mode and turn it on again, the PIP window will disappear.
- You may notice that the picture in the PIP window becomes slightly unnatural when you use the main screen to view a game or karaoke.

❑ PIP → On / Off

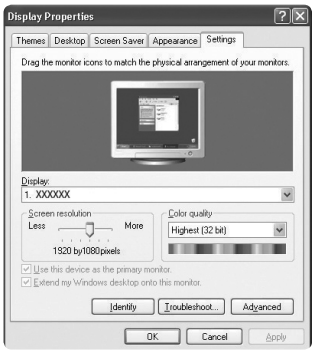
You can activate or deactivate the PIP function.



- **Size →** / / /
  You can select a size of the PIP-picture.
- **Position →** / / /
  You can select a position of the PIP-picture.
  - In Double (,) mode, **Position** cannot be selected.
- **Air/Cable → Air / Cable**
  Select either Air or Cable as the input source for the sub-screen.
- **Channel**
  You can select the channel for the sub-screen.

Using Your TV as a Computer (PC) Display

Setting Up Your PC Software (Based on Windows XP)



The Windows display-settings for a typical computer are shown below. The actual screens on your PC will probably be different, depending upon your particular version of Windows and your particular video card. However, even if your actual screens look different, the same basic set-up information will apply in almost all cases. (If not, contact your computer manufacturer or Samsung Dealer.)

1. First, click on 'Control Panel' on the Windows start menu.
2. When the control panel window appears, click on 'Appearance and Themes' and a display dialog-box will appear.
3. When the control panel window appears, click on 'Display' and a display dialogbox will appear.
4. Navigate to the 'Settings' tab on the display dialog-box.
   - The correct size setting (resolution) - Optimum: 1920 X 1080 pixels
   - If a vertical-frequency option exists on your display settings dialog box, the correct value is '60' or '60 Hz'. Otherwise, just click 'OK' and exit the dialog box.

Display Modes

If the signal from the system equals the standard signal mode, the screen is adjusted automatically. If the signal from the system doesn't equal the standard signal mode, adjust the mode by referring to your videocard user guide; otherwise there may be no video. For the display modes listed below, the screen image has been optimized during manufacturing.

D-Sub and HDMI/DVI Input

When using an HDMI / DVI cable connection, you must use the **HDMI IN 1(DVI)** jack.

Mode	Resolution	Horizontal Frequency (KHz)	Vertical Frequency (Hz)	Pixel Clock Frequency (MHz)	Sync Polarity (H / V)
IBM	640 x 350	31.469	70.086	25.175	+/-
	720 x 400	31.469	70.087	28.322	-/+
MAC	640 x 480	35.000	66.667	30.240	-/-
	832 x 624	49.726	74.551	57.284	-/-
	1152 x 870	68.681	75.062	100.000	-/-
VESA CVT	720 x 576	35.910	59.950	32.750	-/+
	1152 x 864	53.783	59.959	81.750	-/+
	1280 x 720	44.772	59.855	74.500	-/+
	1280 x 720	56.456	74.777	95.750	-/+
	1280 x 960	75.231	74.857	130.000	-/+
VESA DMT	640 x 480	31.469	59.940	25.175	-/-
	640 x 480	37.861	72.809	31.500	-/-
	640 x 480	37.500	75.000	31.500	-/-
	800 x 600	37.879	60.317	40.000	+/+
	800 x 600	48.077	72.188	50.000	+/+
	800 x 600	46.875	75.000	49.500	+/+
	1024 x 768	48.363	60.004	65.000	-/-
	1024 x 768	56.476	70.069	75.000	-/-
	1024 x 768	60.023	75.029	78.750	+/+
	1152 x 864	67.500	75.000	108.000	+/+
	1280 x 1024	63.981	60.020	108.000	+/+
	1280 x 1024	79.976	75.025	135.000	+/+
	1280 x 800	49.702	59.810	83.500	-/+
	1280 x 800	62.795	74.934	106.500	-/+
	1280 x 960	60.000	60.000	108.000	+/+
	1360 x 768	47.712	60.015	85.500	+/+
	1440 x 900	55.935	59.887	106.500	-/+
	1440 x 900	70.635	74.984	136.750	-/+
	1680 x 1050	65.290	59.954	146.250	-/+
VESA GTF	1280 x 720	52.500	70.000	89.040	-/+
	1280 x 1024	74.620	70.000	128.943	-/-
VESA DMT / DTV CEA	1920 x 1080p	67.500	60.000	148.500	+/+

Setting up the TV with your PC

Preset: Press the **SOURCE** button to select PC mode.

❑ Auto Adjustment

Use the Auto Adjust function to have the TV automatically adjust the video signals it receives. The function also automatically fine-tunes the settings and adjusts the frequency values and positions.

Press the **TOOLS** button to display the **Tools** menu. You can also set the Auto Adjustment by selecting **Tools** → **Auto Adjustment**.

This function does not work in DVI-Digital mode.

❑ Screen

Coarse / Fine

The purpose of picture quality adjustment is to remove or reduce picture noise. If the noise is not removed by Fine-tuning alone, then adjust the frequency as best as possible (**Coarse**) and Fine-tune again. After the noise has been reduced, readjust the picture so that it is aligned on the center of screen.

PC Position

Adjust the PC's screen positioning if it does not fit the TV screen.

Press the ▲ or ▼ button to adjusting the Vertical-Position. Press the ◄ or ► button to adjust the Horizontal-Position.

Image Reset

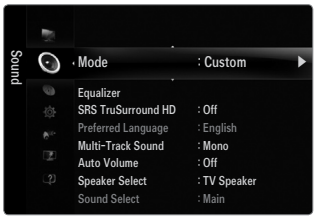
You can replace all image settings with the factory default values.

SOUND

You can configure the sound mode, volume, multi-track sound options, etc.

Configuring the Sound Menu

❑ Mode → Standard / Music / Movie / Clear Voice / Custom



Press the **TOOLS** button to display the **Tools** menu. You can also set the sound mode by selecting **Tools** → **Sound Mode**.

- **Standard**: Selects the normal sound mode.
- **Music**: Emphasizes music over voices.
- **Movie**: Provides the best sound for movies.
- **Clear Voice**: Emphasizes voice over other sounds.
- **Custom**: Recalls your customized sound settings.

❑ Equalizer

The sound settings can be adjusted to suit your personal preference.

- **Mode**: Selects the sound mode among the predefined settings.
- **Balance L/R**: Adjusts the balance between the right and left speaker.
- **100Hz / 300Hz / 1KHz / 3KHz / 10KHz** (Bandwidth Adjustment): To adjust the level of different bandwidth frequencies.
- **Reset**: Resets the equalizer settings to the default values.

❑ SRS TruSurround HD → Off / On

SRS TruSurround HD is a patented SRS technology that solves the problem of playing 5.1 multichannel content over two speakers. TruSurround delivers a compelling, virtual surround sound experience through any two-speaker playback system, including internal television speakers. It is fully compatible with all multichannel formats.

Press the **TOOLS** button to display the **Tools** menu. You can also set the SRS TruSurround HD by selecting **Tools** → **SRS TS HD**.

❑ Preferred Language (digital channels only)

Digital-TV broadcasts are capable of simultaneous transmission of many audio tracks (for example, simultaneous translations of the program into foreign languages).

You can listen in a language other than the **Preferred Language** by pressing the **MTS** button on the remote control.

Preferred Language is available only in Digital TV mode.

You can only select the language from among the actual languages being broadcast.

❑ Multi-Track Sound (MTS) (analog channels only)

Press the **MTS** button on the remote control repeatedly to select **Mono, Stereo** or **SAP**.

- **Mono**: Choose for channels that are broadcasting in mono or if you are having difficulty receiving a stereo signal.
- **Stereo**: Choose for channels that are broadcasting in stereo.
- **SAP**: Choose to listen to the Separate Audio Program, which is usually a foreign-language translation.

Multi-Track Sound is available only in Analog TV mode.

Depending on the particular program being broadcast, you can listen to **Mono**, **Stereo** or **SAP**.

❑ Auto Volume → Off / On

Each broadcasting station has its own signal conditions, and so it is not easy to adjust the volume every time the channel is changed. This feature lets you automatically adjust the volume of the desired channel by lowering the sound output when the modulation signal is high or by raising the sound output when the modulation signal is low.

❑ Speaker Select

When you watch TV with it connecting to a Home theater, turn the TV speakers off so you can listen to sound from the Home theater's (external) speakers.

- **External Speaker**: Used to listen to the sound of the External (Home Theater) Speakers.
- **TV Speaker**: Used to listen to the sound of the TV Speakers.

✎ The volume and **MUTE** buttons do not operate when the **Speaker Select** is set to **External Speaker**. Please set the volume on your Home theater.

✎ If you select **External Speaker** in the **Speaker Select** menu, the sound settings will be limited

	TV's Internal Speakers	Audio Out (Optical, L/R Out) to Sound System
	RF / AV / Component / PC / HDMI	RF / AV / Component / PC / HDMI
TV Speaker	Sound Output	Sound Output
External Speaker	Mute	Sound Output
Video No Signal	Mute	Mute

❑ Sound Select → Main / Sub

When the PIP feature is activated, you can listen to the sound of the sub (PIP) picture.

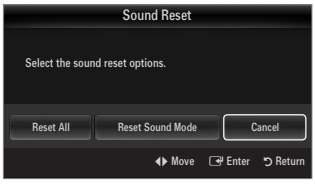
✎ You can select this option when **PIP** is set to **On**.

Press the **TOOLS** button to display the **Tools** menu. You can also set the sound of the sub picture by selecting **Tools** → **PIP** → **Sound Select**.

❑ Sound Reset → Reset All / Reset Sound Mode / Cancel

You can restore the Sound settings to the factory defaults.

✎ **Reset Sound Mode**: Current sound values return to default settings.



SETUP

You can set up additional functions.

Configuring the Setup Menu

❑ Language

You can set the menu language.

❑ Time

For detailed procedures on setting up options, refer to the 'Setting the Time' instructions.
(see pages 28~29)

❑ Game Mode → Off / On

When connecting to a game console such as PlayStation™ or Xbox™, you can enjoy a more realistic gaming experience by selecting game menu.

- Restrictions on game mode (Caution)
  - To disconnect the game console and connect another external device, set **Game Mode** to **Off** in the setup menu.
  - If you display the TV menu in **Game Mode**, the screen shakes slightly.
- **Game Mode** is not available in regular TV and PC mode.
- While PIP is in operation, the **Game Mode** function cannot be used.
- If the picture is poor when external device is connected to TV, check if **Game Mode** is **On**. Set **Game Mode** to **Off** and connect external devices.
- If **Game Mode** is On:
  - Picture mode is automatically changed to **Standard** and cannot be changed.
  - Sound mode is automatically changed to **Custom** and cannot be changed. Adjust the sound using the equalizer.
  - The Reset Sound function is activated. Selecting the Reset function after setting the equalizer resets the equalizer settings to the factory defaults.

❑ BD Wise → Off / On

Provides the optimal picture quality for SAMSUNG DVD, Blu-ray and Home Theater products which support BD Wise. You can enjoy a richer picture when using them connected to this Samsung TV.

- Connect SAMSUNG products that have BD Wise using an HDMI cable.
- When the **BD Wise** set to **On**, the picture mode is automatically changed to the optimal resolution.
- **BD Wise** is available in HDMI mode.

❑ Network Type / Network Setup

For detailed procedures on setting up options, refer to the 'Setting the Network' instructions. (see pages 30~35)

❑ V-Chip

The V-Chip feature automatically locks out programs that are deemed inappropriate for children. The user must enter a PIN (personal ID number) before any of the V-Chip restrictions are set up or changed.

- **V-Chip** function is not available in HDMI, Component or PC mode.
- The default PIN number of a new TV set is '0-0-0-0'
- **Allow all**: Press to unlock all TV ratings. / **Block all**: Press to lock all TV ratings.

■ Change PIN

The Change PIN screen will appear. Choose any 4 digits for your PIN and enter them. As soon as the 4 digits are entered, the **Confirm New PIN** screen appears. Re-enter the same 4 digits. When the Confirm screen disappears, your PIN has been memorized.

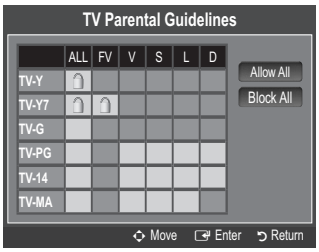
- If you forget the PIN, press the remote-control buttons in the following sequence, which resets the pin to 0-0-0-0 : **POWER** (off) → **MUTE** → **8** → **2** → **4** → **POWER** (on).

■ **V-Chip Lock → Off / On**

You can block rated TV Programs.

■ **TV Parental Guidelines**

You can block TV programs depending on their rating. This function allows you to control what your children are watching.



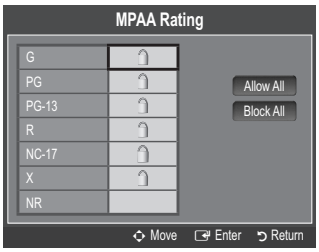
- **TV-Y**: Young children / **TV-Y7**: Children 7 and over / **TV-G**: General audience / **TV-PG**: Parental guidance / **TV-14**: Viewers 14 and over / **TV-MA**: Mature audience
- **ALL**: Lock all TV ratings. / **FV**: Fantasy violence / **V**: Violence / **S**: Sexual situation / **L**: Adult Language / **D**: Sexually Suggestive Dialog

✎ The V-Chip will automatically block certain categories that are more restrictive. For example, if you block **TV-Y** category, then **TV-Y7** will automatically be blocked. Similarly, if you block the **TV-G** category, then all the categories in the young adult group will be blocked (**TV-G, TV-PG, TV-14** and **TV-MA**). The sub-ratings (**D, L, S, V**) work together similarly.

✎ The V-chip will automatically block certain categories that are 'More restrictive'. For example, if you block **L** sub-rating in **TV-PG**, then the **L** sub-ratings in **TV-14** and **TV-MA** will automatically be blocked.

■ **MPAA Rating**

You can block movies depending on their MPAA rating. The Motion Picture Association of America(MPAA) has implemented a rating system that provides parents or guardians with advance information on which films are appropriate for children.



- **G**: General audience (no restrictions).
- **PG**: Parental guidance suggested.
- **PG-13**: Parents strongly cautioned.
- **R**: Restricted. Children under 17 should be accompanied by an adult.
- **NC-17**: No children under age 17.
- **X**: Adults only.
- **NR**: Not rated.

✎ The V-Chip will automatically block any category that is 'More restrictive'. For example, if you block the **PG-13** category, then **R**, **NC-17** and **X** will automatically be blocked also.

■ **Canadian English**

- **C**: Programming intended for children under age 8.
- **C8+**: Programming generally considered acceptable for children 8 years and over to watch on their own.
- **G**: General programming, suitable for all audiences.
- **PG**: Parental Guidance.
- **14+**: Programming contains themes or content which may not be suitable for viewers under the age of 14.
- **18+**: Adult programming.

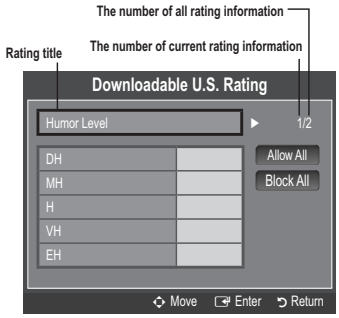
✎ The **V-Chip** will automatically block any category that is 'More restrictive'. For example, if you block **G** category, then **PG, 14+** and **18+** will automatically be blocked also.

■ **Canadian French**

- **G**: General
- **8 ans+**: Programming generally considered acceptable for children 8 years and over to watch on their own.
- **13 ans+**: Programming may not be suitable for children under the age of 13.
- **16 ans+**: Programming is not suitable for children under the age of 16.
- **18 ans+**: Programming restricted to adults.

✎ The **V-Chip** will automatically block any category that is 'More restrictive'. For example, if you block **8 ans+** category, then **13 ans+, 16 ans+** and **18 ans+** will automatically be blocked also.

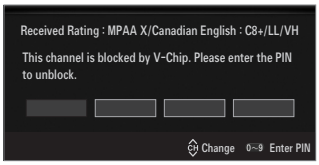
■ **Downloadable U.S. Rating**



Parental restriction information can be used while watching DTV channels

- If information is not downloaded from the broadcasting station, the **Downloadable U.S. rating** menu is deactivated.
- Parental restriction information is automatically downloaded while watching DTV channels. It may take several seconds.
- The **Downloadable U.S. rating** menu is available for use after information is downloaded from the broadcasting station. However, depending on the information from the broadcasting station, it may not be available for use.
- Parental restriction levels differ depending on the broadcasting station. The default menu name and Downloadable US rating changes depending on the downloaded information.
- Even if you set the On-screen display to your desired language, the **Downloadable U.S. Rating** menu will appear in English only.
- The rating will automatically block certain categories that are more restrictive.
- The rating titles (For example: Humor Level..etc) and TV ratings (For example: DH, MH, H..etc) may differ depending on the broadcasting station.

How to Reset the TV after the V-Chip Blocks a Channel (Emergency Escape)


Received Rating : MPAA X/Canadian English : C8+/LL/VH
This channel is blocked by V-Chip. Please enter the PIN to unblock.
Change
0~9 Enter PIN

If the TV is tuned to a restricted channel, the V-Chip will block it. The screen will go blank and the following message will appear:

1. Enter your PIN, then press the ▲ or ▼ button to temporarily disable the V-Chip Lock.

- If you forget the PIN, press the remote-control buttons in the following sequence, which resets the pin to 0-0-0-0 : **POWER** (off) → **MUTE** → **8** → **2** → **4** → **POWER** (on)

❑ Caption (On-Screen Text Messages)

■ **Caption → Off / On**

You can switch the caption function on or off. If captions are not available, they will not be displayed on the screen.

- Press the **CC** button on the remote control to turn the Caption on or off.
- The Caption feature doesn't work in Component, HDMI or PC modes.

■ **Caption Mode**

You can select the desired caption mode.

- The availability of captions depends on the program being broadcast.

- **Default / CC1~CC4 / Text1~Text4** (analog channels only)
  The Analog Caption function operates in either analog TV channel mode or when a signal is supplied from an external device to TV. (Depending on the broadcasting signal, the Analog Caption function may operate on digital channels.)
- **Default / Service1~Service6 / CC1~CC4 / Text1~Text4** (digital channels only)
  The Digital Captions function operates on digital channels.
  - **Service1~6** in digital caption mode may not be available depending on the broadcast.

■ **Digital Caption Options (digital channels only)**

- **Size**: This option consists of **Default, Small, Standard** and **Large**. The default is **Standard**.
- **Font Style**: This option consists of **Default, Style 0 ~ Style 7**. You can change the font you want. The default is **Style 0**.
- **Foreground Color**: This option consists of **Default, White, Black, Red, Green, Blue, Yellow, Magenta** and **Cyan**. You can change the color of the letter. The default is White.
- **Background Color**: This option consists of **Default, White, Black, Red, Green, Blue, Yellow, Magenta** and **Cyan**. You can change the background color of the caption. The default is **Black**.
- **Foreground Opacity**: This option consists of **Default, Transparent, Translucent, Solid** and **Flashing**. You can change the opacity of the letter.

- **Background Opacity**: This option consists of **Default, Transparent, Translucent, Solid** and **Flashing**. You can change the background opacity of the caption.
- **Return to Default**: This option sets each of **Size, Font Style, Foreground Color, Background Color, Foreground Opacity** and **Background Opacity** to its default.

✎ **Digital Caption Options** are available only when **Default** and **Service1 ~ Service6** can be selected in **Caption Mode**.

✎ The availability of captions depends on the program being broadcast.

✎ **Default** means to follow the standard set by the broadcaster.

✎ Foreground and Background cannot be set to have the same color.

✎ **Foreground Opacity** and **Background Opacity** cannot be both set to Transparent.

❑ Melody → Off / Low / Medium / High

A melody sound can be set to come on when the TV is powered On or Off.

✎ The Melody does not play.

- When no sound is output from the TV because the **MUTE** button has been pressed.
- When no sound is output from the TV because the volume has been reduced to minimum with the **VOL –** button.
- When the TV is turned off by Sleep Timer function.

❑ Energy Saving → Off / Low / Medium / High / Auto

This feature adjusts the brightness of the TV in order to reduce power consumption. When watching TV at night, set the **Energy Saving** mode option to **High** to reduce eye fatigue as well as power consumption.

❑ PIP

For detailed procedures on setting up options, refer to the 'Viewing Picture-in-Picture' instructions. (see page 20)

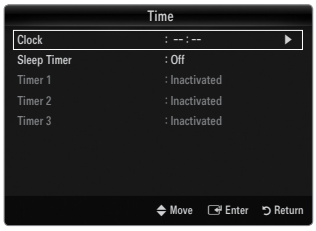
Setting the Time

❑ Clock

Setting the clock is necessary in order to use the various timer features of the TV.

✎ The current time will appear every time you press the **INFO** button.

✎ If you disconnect the power cord, you have to set the clock again.



Clock Mode

You can set up the current time manually or automatically.

- **Auto**: Set the current time automatically using the time from the digital broadcast.
- **Manual**: Set the current time to a manually specified time.

✎ Depending on the broadcast station and signal, the auto time may not be set correctly. If this occurs, set the time manually.

✎ The Antenna or cable must be connected in order to set the time automatically.

Clock Set

You can set the current time manually.

✎ This function is only available when **Clock Mode** is set to **Manual**.

✎ You can set the month, day, year, hour and minute directly by pressing the number buttons on the remote control.

Time Zone

Select your time zone.

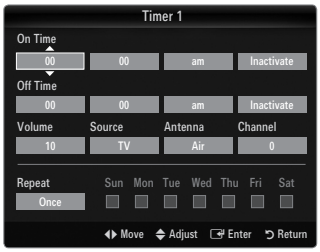
✎ This function is only available when **Clock Mode** is set to **Auto**.

DST (Daylight Saving Time) → Off / On / Auto

Switches the Daylight Saving Time function on or off.

✎ This function is only available when **Clock Mode** is set to **Auto**.

❑ Sleep Timer



The sleep timer automatically shuts off the TV after a preset time (30, 60, 90, 120, 150 and 180 minutes).

- Press the **TOOLS** button to display the **Tools** menu. You can also set the sleep timer by selecting **Tools** → **Sleep Timer**.
- To cancel the **Sleep Timer** function, select **Off**.

❑ Timer 1 / Timer 2 / Timer 3

Three different on / off timer settings can be made.
You must set the clock first.

- **On Time**
  Set the hour, minute, am/pm, and activate / inactivate.
  (To activate the timer with the setting you've chosen, set to **Activate**.)
- **Off Time**
  Set the hour, minute, am/pm, and activate / inactivate.
  (To activate the timer with the setting you've chosen, set to **Activate**.)
- **Volume**
  Set the desired volume level.
- **Source → TV / USB**
  You can select the **TV** or **USB** device content to be played when the TV turns on automatically. Select **TV** or **USB**. (Make sure that an USB device is connected to your TV.)
  - When there is only one photo file in the **USB**, the Slide Show will not play.
- **Antenna (when Source is set to TV)**
  Select Air or Cable.
- **Channel (when Source is set to TV)**
  Select the desired channel.
- **Contents (when Source is set to USB)**
  You can select a folder on the USB Device with music or photo files to be played when the TV turns on automatically.
  - If the folder name is too long, the folder can not be selected.
  - If you are using two of the same type USB device, be sure the folder names are different so the correct USB is read.
- **Repeat**
  Select **Once, Everyday, Mon~Fri, Mon~Sat, Sat~Sun** or **Manual**.
  - When **Manual** is selected, press the ► button to select the desired day of the week. Press the **ENTER** button over the desired day and the ✓ mark will appear.
  - You can set the hour, minute and channel by pressing the number buttons on the remote control.
  - Auto Power Off
    When you set the timer on, the television will eventually turn off, if no controls are operated for 3 hours after the TV was turned on by the timer. This function is only available in timer on mode and prevents overheating, which may occur if a TV is on for too long time.

Network Connection

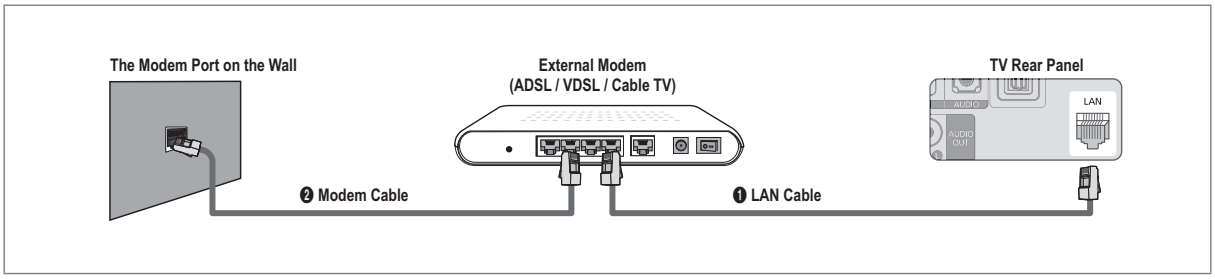
You can set up the Internet Protocol so that you can communicate with various connected networks.

❑ Network Connection - Cable

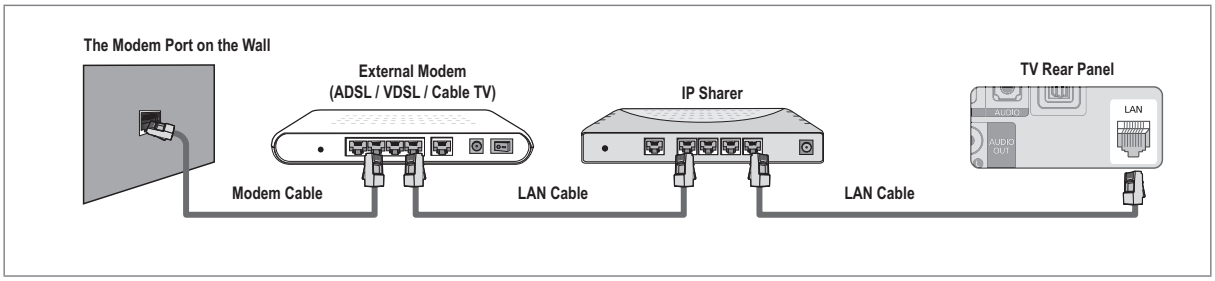
■ **LAN Connection for a DHCP Environment**

The procedures to set up the network using Dynamic Host Configuration Protocol (DHCP) are described below. Since an IP address, subnet mask, gateway, and DNS are automatically allocated when DHCP is selected, you do not have to enter them manually.

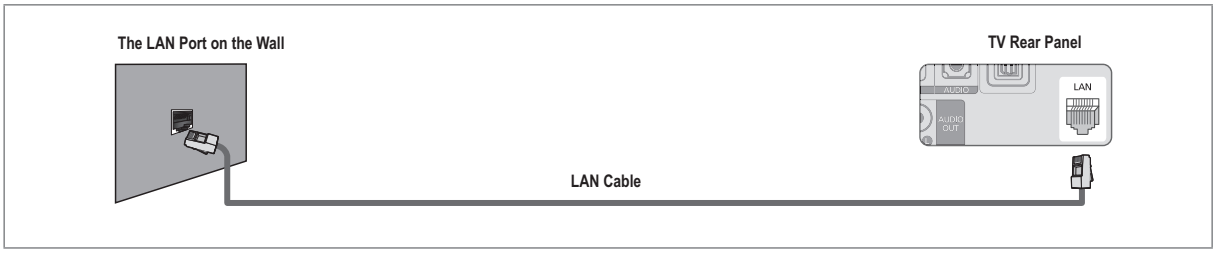
1. Connect the LAN port on the rear panel of the TV and the external modem with a LAN Cable.
2. Connect the Modem port on the wall and the external modem with a Modem Cable.



You can connect the LAN via a Sharer (Router).



You can connect the LAN port and the TV directly depending on your network status.

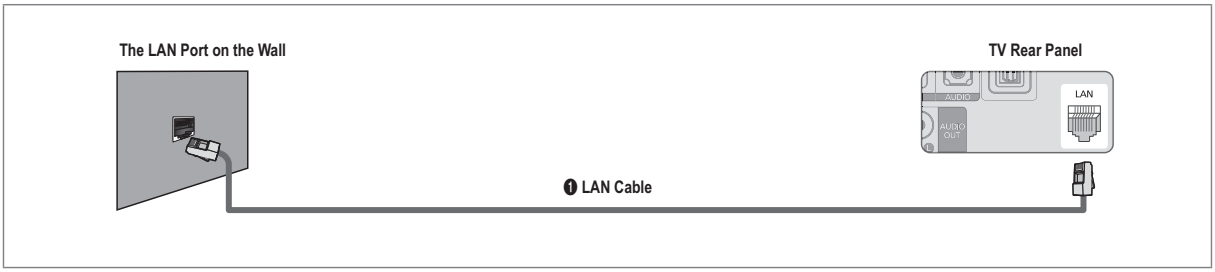


- The terminals (the position of the port and the type) of the external device may differ depending on the manufacturer.
- If the IP address allocation by the DHCP server has failed, turn the external modem off, turn it on again after at least 10 seconds and then try again.
- For the connections between the external modem and the Sharer (Router), refer to the owner's manual of the corresponding product.
- You can connect the TV to the LAN directly without connecting it through a Sharer (Router)
- You cannot use a manual-connection-type ADSL modem because it does not support DHCP. You have to use an automatic-connection-type ADSL modem.

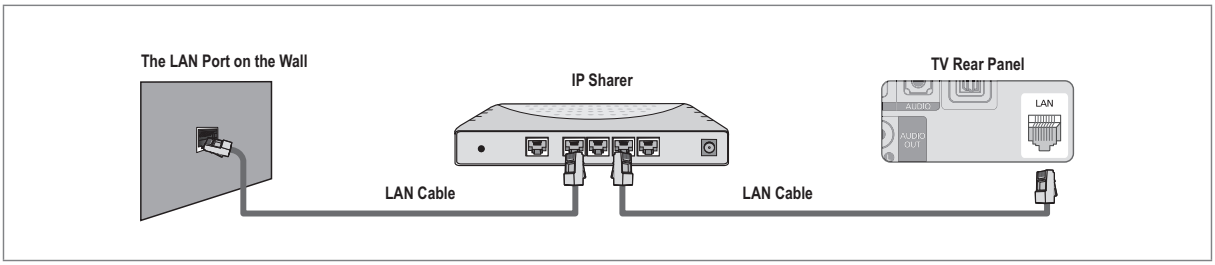
■ **LAN Connection for Static IP Environment**

The procedures to set up the network using a static IP address are described below. You have to manually enter the IP address, subnet mask, gateway, and DNS that are provided by your Internet Service Provider (ISP).

1. Connect the LAN port on the rear panel of the TV and the LAN port on the wall using the LAN cable.



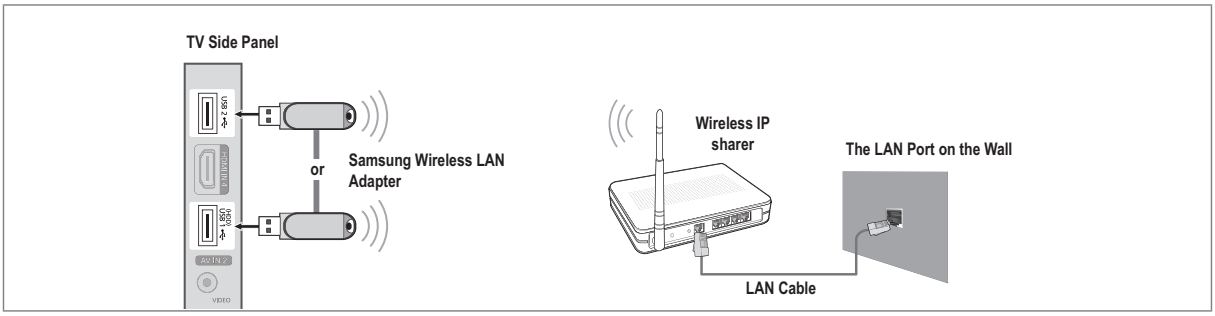
You can connect the LAN via a Sharer (Router).



- The terminals (the position of the port and the type) of the external device may differ depending on the manufacturer.
- If you are using a static IP address, your ISP will inform you of the IP address, subnet mask, gateway, and DNS. You must enter these values to complete the network settings. If you do not know the values, ask your network administrator.
- For the information on how to configure and connect a Sharer (Router), refer to the owner's manual for the corresponding product.
- You can connect the TV to the LAN directly without connecting it through a Sharer (Router).
- If you use an IP Sharer (IP Router) that supports DHCP, you can set up the device as either DHCP or static IP.
- For the procedures to use a static IP address, ask your Internet Service Provider.

❑ Network Connection - Wireless

You can connect to the network wirelessly through a wireless IP sharer.



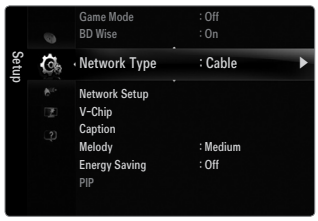
1. Connect the 'Samsung Wireless LAN Adapter' into the **USB1(HDD)** or **USB2** terminal of the TV.

- You must use the 'Samsung Wireless LAN Adapter'(WIS09ABGN) to use a wireless network.
- Samsung's Wireless LAN adapter is sold separately. The WIS09ABGN Wireless LAN adapter is offered by select retailers, Ecommerce sites and Samsungparts.com.
- To use a wireless network, your TV must be connected to a wireless IP sharer. If the wireless IP sharer supports DHCP, your TV can use a DHCP or static IP address to connect to the wireless network.
- Samsung's Wireless LAN adapter supports IEEE 802.11A, IEEE 802.11B, IEEE 802.11G, IEEE 802.11N.
- If the wireless IP sharer allows you to turn the Ping connection function on/off, turn it on.
- Select a channel for the wireless IP sharer that is not currently being used. If the channel set for the wireless IP sharer is currently being used by another device nearby, this will result in interference and communications may fail.
- If you apply a security system other than the systems listed below, it will not work with the TV.
  - When applying the security key for the AP (wireless IP sharer), only the following is supported.
    1) Authentication Mode : OPEN, SHARED, WPAPSK, WPA2PSK
    2) Encryption Type : WEP, TKIP, AES
  - When applying the security key for the Ad-hoc mode, only the following is supported.
    1) Authentication Mode : SHARED, WPANONE
    2) Encryption Type : WEP, TKIP, AES
- If your AP supports WPS(Wi-Fi Protected Setup), you can connect to the network via PBC (Push Button Configuration) or PIN (Personal Indentification Number). WPS will automatically configure the SSID and WPA key in either mode.
- If the device isn't certified, it may not connect to the TV via the 'Samsung Wireless LAN Adapter'.

Setting the Network

❑ Network Type

Select Cable or Wireless as the method to connect to the network.



✎ The menu is activated only if the 'Samsung Wireless LAN Adapter' is connected.

- **Cable**
  Connect to the network using a cable.
- **Wireless**
  Connect to the network wirelessly.

❑ Network Setup

- **Cable Network Setup** (when **Network Type** is set to **Cable**)

✎ Please check if the LAN cable is connected.

- **Internet Protocol Setup → Auto Setup / Manual Setup**
- **Network Test**: You can test or confirm the network connection status after setting up the network.

✎ When unable to connect to a wired network

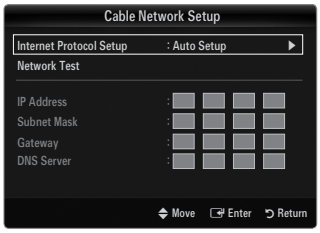
If your Internet service provider has registered the MAC address of the device used to connect to the Internet for the first time and authenticates the MAC address each time you connect to the Internet, your TV may not be able to connect to the Internet as the MAC address differs from that of the device (PC).

In this case, ask your Internet service provider about the procedures to connect devices other than your PC (such as your TV) to the Internet. If your Internet service provider requires an ID or password to connect to the Internet (network), your TV may not be able to connect to the Internet. In this case, you have to enter your ID or password when connecting to the Internet using an Internet Sharer (Router).

The internet connection may fail due to a firewall problem. In this case, contact your Internet service provider. If you cannot connect to the Internet even if you have followed the procedures of your Internet service provider, please contact Samsung Electronics at 1-800-SAMSUNG.

Cable Network Setup-Auto Setup

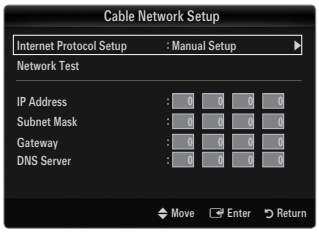
If you connect the LAN cable and it supports DHCP, the Internet Protocol (IP) Settings are automatically configured.



1. Set **Network Type** to **Cable**.
2. Select **Cable Network Setup**.
3. Set **Internet Protocol Setup** to **Auto Setup**.
   ✎ The Internet Protocol is set automatically.
4. Select **Network Test** to check the network connectivity.

Cable Network Setup-Manual

To connect the TV to the LAN using a static IP address, you must set up the Internet Protocol (IP).


Cable Network Setup
Internet Protocol Setup : Manual Setup
Network Test
IP Address : 0 0 0 0
Subnet Mask : 0 0 0 0
Gateway : 0 0 0 0
DNS Server : 0 0 0 0
Move Enter Return

1. Set **Network Type** to **Cable**.
2. Select **Cable Network Setup**.
3. Set **Internet Protocol Setup** to **Manual Setup**.
4. Set up **IP Address, Subnet Mask, Gateway** and **DNS Server**.
   ✎ Press the number buttons on the remote control when you set the Network manually.
5. Select **Network Test** to check the network connectivity.

- **Wireless Network Setup**

✎ The menu is activated only if the 'Samsung Wireless LAN Adapter' is connected.

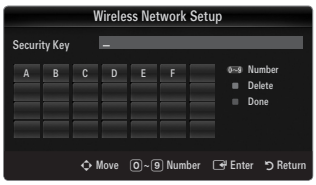
- **Internet Protocol Setup → Auto Setup / Manual Setup**
- **Network Test**: You can test or confirm the network connection status after setting up the network.

When unable to connect to an AP

Your TV may fail to locate an AP that is configured as a private SSID type. In this case, please change the AP settings and try again. If your Internet service provider has registered the MAC address of the device used to connect to the Internet for the first time and authenticates the MAC address each time you connect to the Internet, your TV may not be able to connect to the Internet as the MAC address differs from that of the device (PC).

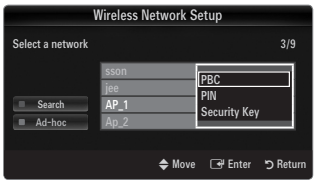
In this case, ask your Internet service provider about the procedures to connect devices other than your PC (such as your TV) to the Internet. If you cannot connect to the Internet even if you have followed the procedures of your Internet service provider, please contact a Samsung Electronics at 1-800-SAMSUNG.

- **Select a network**
  - Access Point: You can select the IP sharer to use when using a wireless network.
    - If a wireless Access Point is not in the Access Point list, press the Red button.
    - When the connection is made, you will be returned to the screen automatically.
    - If you have selected an Access Point with a security authentication:
      The Security Key input screen appears. Enter the security key and press the Blue button on the remote control.
    - If security encryption type is WEP, 0~9, A~F will be available when you input security key.

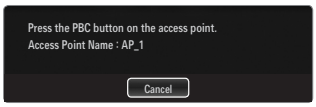


Connecting WPS (Wi-Fi Protected Setup)

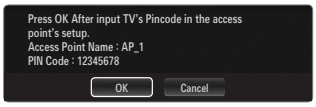
- If **Security Key** is already set: In access point list, select **WPS**.
  - You can select **PBC, PIN, Security Key**.



  - Connecting by using **PBC**: Select a **PBC** (Push Button Configuration). Press the PBC button on the AP (access point) within 2 minutes, and wait for connection.

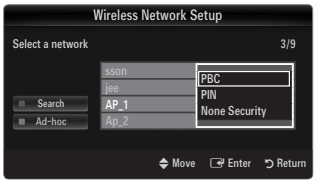


  - Connecting by using **PIN**: Select a **PIN** (Personal Identification Number).
    - The message showing the PIN Code is displayed. Input the PIN Code at AP device within 2 minutes. Select **OK** and wait for connection.
    - Try again if connecting operation doesn't work
    - When the connection is not established although tried again, reset the access point. Please refer to a manual of each access point.



  - Connecting by using **Security Key**: When selecting **Security Key**, the input window is displayed. Input the security key and press Blue button.
    - Try again if connecting operation doesn't work.

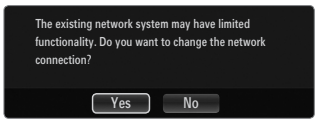
- If **Security Key** is not set: When the security setting of AP that supports WPS is NONE, you can select **PBC, PIN, None Security**. **None Security** is capable of connecting to AP directly without using WPS function.
  - Process of **PBC, PIN** is same as above. Refer to if **Security Key** is already set.
  - Try again if connecting operation doesn't work.



– **Ad-hoc**: You can connect to a mobile device without an access point through the 'Samsung Wireless LAN Adapter' by using a peer to peer network.

How to connect to new Ad-hoc

1. Choose **Select a network**, then a device list is displayed.
2. While in the device list, press the Blue button on the remote or select **Ad-hoc**.
   The message **The existing network system may have limited functionality. Do you want to change the network connection?** is displayed.
3. Input the generated **Network Name(SSID)** and **Security Key** into the device you want to connect.



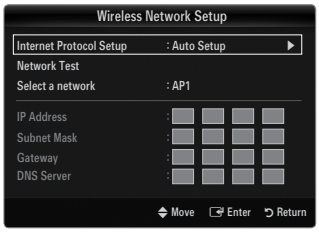
How to connect an existing Ad-hoc device

1. Choose **Select a network**, the device list is displayed.
2. Select the device you want in the Device list.
3. If security key was applied, input the security key again.
   If network doesn't operate normally, please check the **Network Name(SSID)** and **Security Key** again. If the **Security Key** is incorrect, it may be the reason for the malfunction.

Wireless Network Setup-Auto Setup

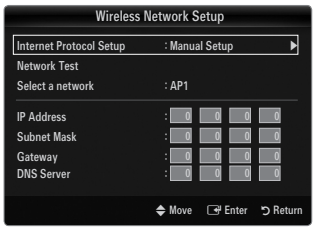
If you want to connect AP, AP should support DHCP. Only devices which support Ad-hoc mode can be connected without DHCP.

1. Set **Network Type** to **Wireless**.
2. Select **Wireless Network Setup**.
3. Set **Internet Protocol Setup** to **Auto Setup**.
   The Internet Protocol is set automatically.
4. Select a network through **Select a network**.
5. Select **Network Test** to check the network connectivity.



Wireless Network Setup-Manual Setup

1. Set **Network Type** to **Wireless**.
2. Select **Wireless Network Setup**.
3. Set **Internet Protocol Setup** to **Manual Setup**.
4. Set up **IP Address, Subnet Mask, Gateway** and **DNS Server**.
   Press the number buttons on the remote control when you set the Network manually.
5. Select a network through **Select a network**.
6. Select **Network Test** to check the network connectivity.



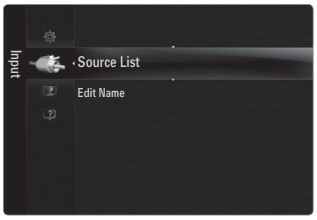
INPUT / SUPPORT

Input Menu

❑ Source List

Use to select TV or other external input sources such as DVD / Blu-ray players / Cable Box / Satellite receivers (Set-Top Box) connected to the TV. Use to select the input source of your choice.

Press the **SOURCE** button on the remote control to view an external signal source.



- **TV / AV1 / AV2 / Component1 / Component2 / PC / HDMI1/DVI / HDMI2 / HDMI3 / HDMI4 / USB**

  You can choose only those external devices that are connected to the TV. In the **Source List**, connected inputs will be highlighted and sorted to the top. Inputs that are not connected will be sorted to the bottom.

  If USB devices are connected to the **USB1(HDD)** and **USB2** jacks, they are displayed as USB1 and USB2 in order.

  PC always stays activated.

  Using the color buttons on the remote with the Source list

  – Red (**Refresh**): Refreshes the connected external devices. Press this if your Source is on and connected, but does not appear in the list.

  – **TOOLS** (**Tools**): Displays the **Edit Name** and **Information** menus.

❑ Edit Name

- **VCR / DVD / Cable STB / Satellite STB / PVR STB / AV Receiver / Game / Camcorder / PC / DVI / DVI PC / TV / IPTV / Blu-ray / HD DVD / DMA**

  Name the device connected to the input jacks to make your input source selection easier.

  When a PC with a resolution of 1920 x 1080@60Hz is connected to the **HDMI IN 1(DVI)** port, you should set the **HDMI1/DVI** mode to **DVI PC** in the **Edit Name** of the **Input** mode.

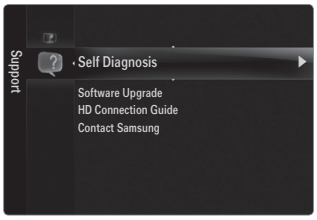
Support Menu

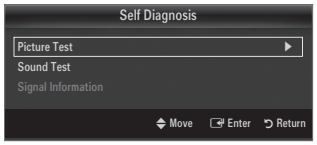
❑ Self Diagnosis

- **Picture Test**

  If you think you have a picture problem, perform the picture test. Check the color pattern on the screen to see if the problem still exists.

  - **Yes**: If the test pattern does not appear or there is noise in the test pattern, select **Yes**. There may be a problem with the TV. Contact Samsung's call center for assistance.
  - **No**: If the test pattern is properly displayed, select **No**. There may be a problem with your external equipment. Please check your connections. If the problem still persists, refer to the external device's user manual.





Sound Test

If you think you have a sound problem, please perform the sound test. You can check the sound by playing a built-in melody sound through the TV.

- If you hear no sound from the TV's speakers, before performing the sound test, make sure **Speaker Select** is set to **TV speaker** in the Sound menu.
- The melody will be heard during the test even if **Speaker Select** is set to **External Speaker** or the sound is muted by pressing the **MUTE** button.
- **Yes**: If during the sound test you can hear sound only from one speaker or not at all, select **Yes**. There may be a problem with the TV. Contact Samsung's call center for assistance.
- **No**: If you can hear sound from the speakers, select **No**. There may be a problem with your external equipment. Please check your connections. If the problem still persists, refer to the external device's user manual.

Signal Strength (digital channels only)

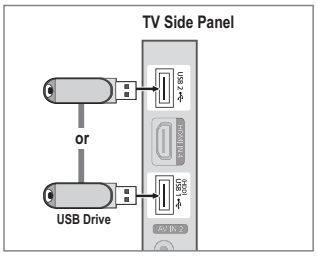
Unlike analog channels, which can vary in reception quality from 'snowy' to clear, digital (HDTV) channels have either perfect reception quality or you will not receive them at all. So, unlike analog channels, you cannot fine tune a digital channel. You can, however, adjust your antenna to improve the reception of available digital channels.

- If the signal strength meter indicates that the signal is weak, physically adjust your antenna to increase the signal strength. Continue to adjust the antenna until you find the best position with the strongest signal.

❑ Software Upgrade

Samsung may offer upgrades for the TV's firmware in the future. These upgrades can be performed via the TV when it is connected to the Internet, or by downloading the new firmware from samsung.com to a USB memory device.

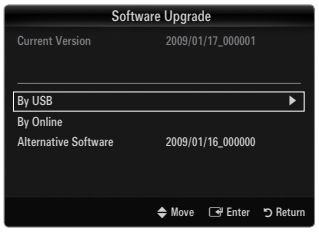
- **Current Version** is the software already installed in the TV.
- **Alternative Software** (Backup) shows the previous version that will be replaced.
- Software is represented as 'Year/Month/Day_Version'. The more recent the date, the newer the software version. Installing the latest version is recommended.



By USB

Insert a USB drive containing the firmware upgrade downloaded from samsung.com into the TV. Please be careful to not disconnect the power or remove the USB drive while upgrades are being applied. The TV will turn off and turn on automatically after completing the firmware upgrade. Please check the firmware version after the upgrades are complete (the new version will have a higher number than the older version).

When software is upgraded, video and audio settings you have made will return to their default (factory) settings. We recommend you write down your settings so that you can easily reset them after the upgrade.



By Online

Upgrades the software using the Internet.

- First, configure your network. For detailed procedures on using the Network Setup, refer to the 'Setting the Network' instructions. (see pages 30~35)
- If the internet connection doesn't operate properly, connection can be broken. please retry downloading. If the problem still happens, download by USB and upgrade.

Alternative Software (Backup)

If there is an issue with the new firmware and it is affecting operation, you can change the software to the previous version.

- If software was changed, existing software is displayed.
- You can change current software to alternative software by '**Alternative Software**'.

❑ HD Connection Guide

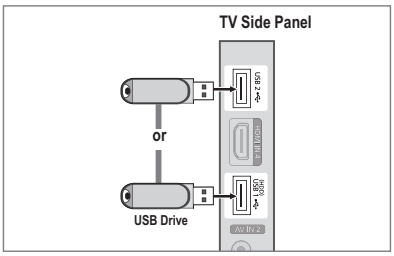
This menu presents the connection method that provides the optimal quality for the HDTV. Refer to this information when connecting external devices to the TV.

❑ Contact Samsung

View this information when your TV does not work properly or when you want to upgrade the software. You can view the information regarding the call center, product and software file download method.

MEDIA PLAY (USB)

Connecting a USB Device



1. Press the **POWER** button to turn the TV on.
2. Connect a USB device containing photo, music and/or movie files to the **USB1(HDD)** or **USB2** jack on the side of the TV.
3. When the **Application** selection screen is displayed, press the **ENTER** button to select **Media Play (USB)**.

- MTP (Media Transfer Protocol) is not supported.
- The file system supports FAT16, FAT32 and NTFS.
- Certain types of USB Digital camera and audio devices may not be compatible with this TV.
- **Media Play** only supports USB Mass Storage Class devices (MSC). MSC is a Mass Storage Class Bulk-Only Transport device. Examples of MSC are Thumb drives, Flash Card Readers and USB HDD (USB HUB are not supported.).
- Please connect directly to the USB port of your TV. If you are using a separate cable connection, there may be a USB compatibility problem.
- Before connecting your device to the TV, please back up your files to prevent them from damage or loss of data. SAMSUNG is not responsible for any data file damage or data loss.
- Connect a USB HDD to the dedicated **USB1(HDD)** port. Warning: Do not exceed 1.5 amperes.
- Do not disconnect the USB device while it is loading.
- MSC supports MP3, JPEG and movie files, while a PTP device supports JPEG files only.
- The higher the resolution of the image, the longer it takes to display on the screen.
- The maximum supported JPEG resolution is 15360X8640 pixels.
- For unsupported or corrupted files, the 'Not Supported File Format' message is displayed.
- If sort key is set to Basic View, up to 1000 files can be displayed in each folder. The other sort key can display up to 10000 files.
- MP3 files with DRM that have been downloaded from a non-free site cannot be played. Digital Rights Management (DRM) is a technology that supports the creation of content, the distribution and management of the content in an integrated and comprehensive way, including the protection of the rights and interests of the content providers, the prevention of the illegal copying of contents, as well as managing billings and settlements.
- When moving to a photo, loading may take a few seconds. At this point, the loading icon will appear at the screen.
- If more than 2 PTP devices are connected, you can only use one at a time.
- If more than one MSC device is connected, some of them may not be recognized. If a device requires high power (more than 500mA or 5V), the USB device may not be supported.
- If an over-power (Fail add new device USB1/USB2 Power Overload) warning message is displayed while you are connecting or using a USB device, the device may not be recognized or may malfunction.

Using the Remote Control Button in Media Play Menu

Button	Operations
▲/▼/◄/►	Move the cursor and select an item.
ENTER ↵	Select the currently selected item. While playing a slide show, movie, or music file: - Pressing the **ENTER** ↵ button during play pauses the play. - Pressing the **ENTER** ↵ button during pause resumes the play.
►/II	Play or pause the Slide Show, music or movie.
RETURN	Return to the previous menu.
TOOLS	Run various functions from the Photo, Music and Movie menus.
■	Stop the current slide show, Music or Movie file.
◄◄/►►	Jump to previous group/Jump to next group.
INFO	Show file information.
MEDIA.P	Exit **Media Play** mode.
∨ CH ∧, EXIT, TV	Stop **Media Play** mode and Returns to TV mode.

Media Play Function

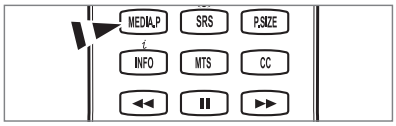
This function enables you to view and listen to photo, music and/or movie files saved on a USB Mass Storage Class (MSC) device.

Entering the Media Play (USB) Menu

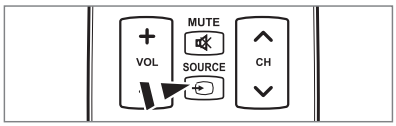
1. Press the **MENU** button. Press the ▲ or ▼ button to select **Application**, then press the **ENTER** ↵ button.

2. Press the ▲ or ▼ button to select **Media Play (USB)**, then press the **ENTER** ↵ button.
   - The **Media Play (USB)** menu is displayed.

   - Press the **MEDIA.P** button on the remote control to display the **Media Play** menu.

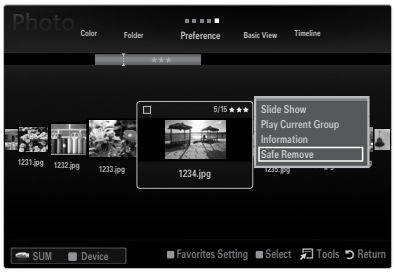


   - Press the **SOURCE** button on the remote control to view the source list. Then Press the ▲ or ▼ button to select **USB**.



3. Press the Red button, then press the ▲ or ▼ button to select the USB Memory. Press the **ENTER** ↵ button.
   - This function differs depending on the USB Memory Device.
   - The selected USB device name appears at the bottom left of the screen.
4. Press the ◄ or ► button to select an icon (**Photo, Music, Movie, Setup**), then press the **ENTER** ↵ button.
   - To exit **Media Play** mode, press the **MEDIA.P** button on the remote control.

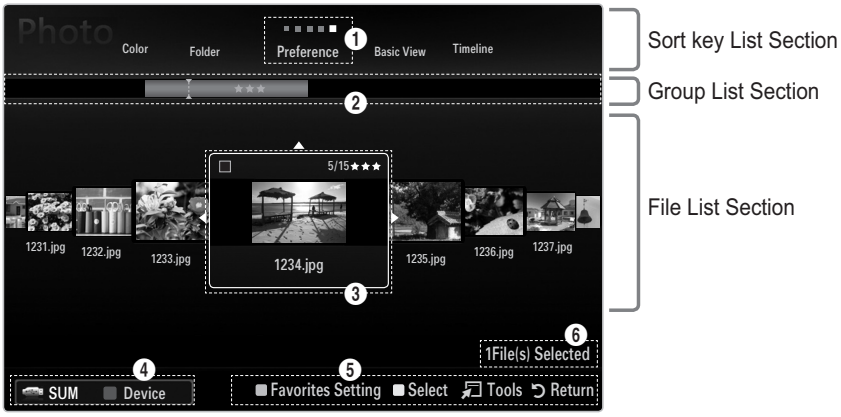
Removing a USB Memory Device Safely



You can remove the device safely from the TV.

1. Press the **TOOLS** button in the Media Play file list screen, or while a Slide Show, music or movie is being played.
2. Press the ▲ or ▼ button to select **Safe Remove**, then press the **ENTER** button.
3. Remove the USB device from the TV.

Screen Display



Move to either 'Sort key List Section', 'Group List Section' or 'File List Section' using the Up and Down buttons. After selecting a section, press the ◄ or ► buttons to select an item.

❶ Current Sort key: This field shows the current standard for sorting files. Press the ◄ or ► button to change the standard for sorting files.

❷ View Groups: Shows the detailed groups of the files sorted according to the selected Sort key. The sort group where the currently selected file is contained is highlighted.

❸ Currently selected file: The selected file is the file you can now control. Photo and movie files are displayed as thumbnail images.

❹ Current Device: Shows the currently selected device name. Press the Red button to select a device.

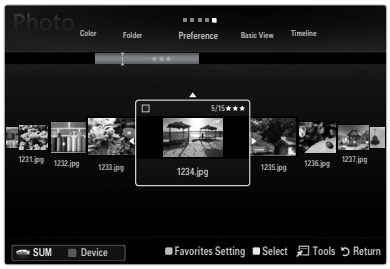
- Red (**Device**) button: Selects a connected device.

❺ Help Items

- Green (**Favorites Setting**) button: Changes the Favorites Setting for the selected file. Press this button repeatedly until the desired value appears.
- Yellow (**Select**) button: Selects file from the file list. Selected files are marked with a symbol ✓. Press the Yellow button again to cancel a file selection.
- **TOOLS** (**Tools**) button: Displays the option menus. (The option menu changes according to the current status.)

❻ Item Selection Information: Shows the number of files that are selected by pressing the Yellow button.

Sorting the Photo List



You can sort photos in the Photo List by a particular standard.

1. Press the **MEDIA.P** button.
2. Press the ◄ or ► button to select **Photo**, then press the **ENTER** button.
3. Press the ▲ button to move to the Sort key Section.
4. Press the ◄ or ► button to select a sorting standard. (**Basic View, Timeline, Color, Folder, Preference**)
   - The photos are sorted according to the newly selected sorting standard.
5. Press the ▼ button to move to the File List Section. Press the (Play)/ **ENTER** button to start the Slide Show in the order you selected.
   - To move to the previous/next group, press the (REW) or (FF) button.
   - Photo information is automatically set. The Color information extracted from a photo file may be different from your expectations. You can change the Color and preference.
   - PTP does not support folder sort mode.

❑ Basic View

Shows the folders on the USB memory device. If you select a folder and press the **ENTER** button, only the photo files contained in the selected folder are displayed.

- When sorted according to the **Basic View**, you cannot set Favorite files.

❑ Timeline

Sorts photos by date. It sorts by year and month from the earliest photo.

❑ Color → Red / Yellow / Green / Blue / Magenta / Black / Gray / Unclassified

Sorts photos by Color. You can change the photo Color information.

- You should set the **Use Color View** to on in the **Setup** menu before sorting photos by Color.

❑ Folder

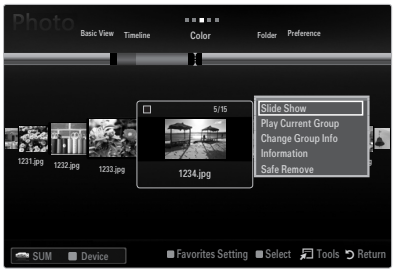
Sorts photos by folder. If there are many folders in USB, the photos files are shown in order in each folder. The photo file in the Root folder is shown first and the others are shown in alphabetical order by name.

❑ Preference → ★☆☆ / ★★☆ / ★★★

Sorts photos by preference (Favorite). You can change the photo preferences.

- Changing the Favorites Setting
  Select the desired photo in the File List Section, then press the Green button repeatedly until the desired setting appears.
- Up to 3 stars can be selected.
- The stars are for grouping purposes only. For example, the 3 star setting does not have any priority over the one star setting.

Photo List Option Menu



1. Press the **MEDIA.P** button.
2. Press the ◄ or ► button to select **Photo**, then press the **ENTER** ↵ button.
3. Press the ◄ or ► button to select the desired photo file.
   - Selecting Multiple Photos
     - Press the ◄ or ► button to select the desired photo file. Then press the Yellow button.
     - Repeat the above operation to select multiple photo files.
     - The mark ✓ appears to the selected photo file.
4. Press the **TOOLS** button.
   - The option menu changes according to the current status.

❑ Slide Show

Using this menu, you can play a SlideShow using the photo files on the USB memory device.

❑ Play Current Group

Using this menu, you can play a SlideShow using only the photo files in the currently selected sorting group.

❑ Change Group Info (When the Sort key is the Color)

You can change a selected photo file's (or group of files) Color information in order to move it from one Color group to another.

- This does not change the actual Color of the photo.
- The group information of the current file is updated and the photos are moved to the new Color group.
- To change the information of multiple files, select the files you want by pressing the Yellow button.

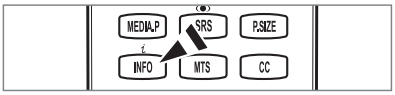
❑ Deselect All (When at least one file is selected)

You can deselect all files.

- The ✓ mark indicating the corresponding file is selected is hidden.

❑ Information

The photo file information including the name, the size, the resolution, the date modified and the path is displayed.



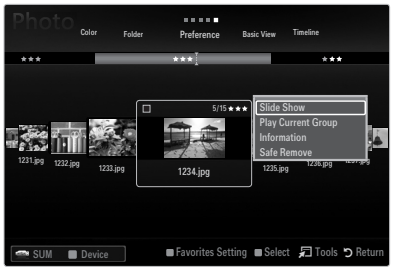
- You can view the information of photo files during a SlideShow using the same procedures.
- Press the **INFO** button to viewing the information.

❑ Safe Remove

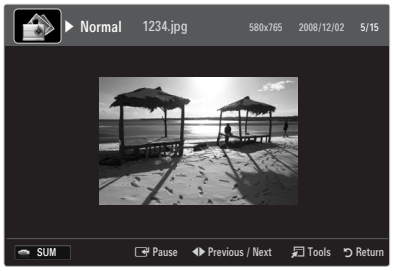
You can remove the device safely from the TV.

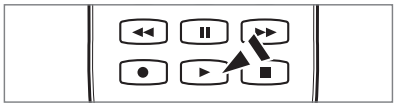
Viewing a Photo or Slide Show

Viewing a Slide Show



1. Press the ▼ button to select the File List Section.
2. Press the **TOOLS** button.
3. Press the ▲ or ▼ button to select **Slide Show**, then press the **ENTER** button.
   All files in the File List Section will be used for the Slide Show.

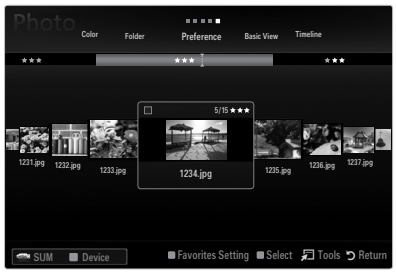




- During the slide show, files are displayed in order from the currently shown file.
- The Slide Show progresses in the order sorted in the File List Section.
- Music files can be automatically played during the Slide Show if the **Background Music** is set to **On**.
- While a photo list is displayed, press the ► (Play)/**ENTER** button on the remote control to start slide show.
- **SlideShow Control Buttons**

Button	Operations
ENTER	Play/Pause the Slide Show.
►	Play the Slide Show.
II	Pause the Slide Show.
■	Exit Slide Show and return to the photo list.
◄◄/►►	Change the SlideShow playing speed.
TOOLS	Run various functions from the Photo menus.

Playing current group



1. Press the ▲ button to move to the Sort key Section.
2. Press the ◄ or ► button to select a sorting standard.
3. Press the ▼ button to move to the Group List Section.
4. Select a group using the ◄ and ► buttons.
5. Press the ► (Play) button. A slideshow begins with the files of the selected group.

- **Alternatively**

1. Select a Sort key and then in the File List Section, select the photos contained in the desired group.
   To move to the previous/next group, press the ◄◄ (REW) or ►► (FF) button.
2. Press the **TOOLS** button.
3. Press the ▲ or ▼ button to select **Play Current Group**, then press the **ENTER** button.
   Only the photos in the sorting group including the selected files will be used for the Slide Show.

To perform a Slide Show with only the selected files

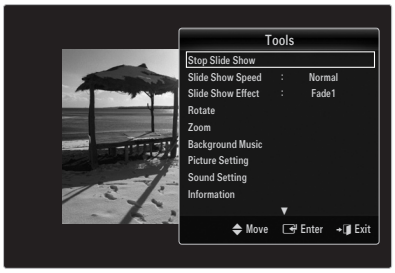
1. Press the ▼ button to select the File List Section.
2. Press the ◄ or ► button to select the desired photo in the File List Section.
3. Press the Yellow button.
4. Repeat the above operation to select multiple photos.
   - The ✓ mark appears to the left of the selected photo.
   - If you select one file, the Slide Show will not be performed.
   - To deselect all selected files, press the **TOOLS** button and select **Deselect All**.
5. Press the ► (Play)/**ENTER** button.
   - The selected files will be used for the Slide Show.

- **Alternatively**

1. In the File List Section, press the Yellow button to select the desired photos.
2. Press the **TOOLS** button.
3. Press the ▲ or ▼ button to select **Slide Show**, then press the **ENTER** button.
   - The selected files will be used for the Slide Show.

Slide Show Option Menu

1. During a slide show (or when viewing a photo), press the **TOOLS** button to set the option.
2. Press the ▲ or ▼ button to select the desired option, then press the **ENTER** button.



❑ Stop Slide Show / Start Slide Show

You can start or stop a SlideShow.

❑ Slide Show Speed → Slow / Normal / Fast

You can select the slide show speed.

- This function is available only during a slide show.
- You can also change the speed of the Slide Show by pressing the ◄◄ (REW) or ►► (FF) button during the Slide Show.

❑ Slide Show Effect

You can select the screen transition effect used in the slideshow.

- **None / Fade1 / Fade2 / Blind / Spiral / Checker / Linear / Stairs / Wipe / Random**
  - This function is available only during a slide show.

❑ Rotate

You can rotate photos saved on a USB memory device.

- Whenever you press the ◄ button, it rotates by 270˚, 180˚, 90˚, and 0˚.
- Whenever you press the ► button, it rotates by 90˚, 180˚, 270˚, and 0˚.
- The rotated file is not saved.

❑ Zoom

You can magnify photos saved on a USB memory device. (x1 → x2 → x4)

- To move the enlarged photo image, press the **ENTER** button, then press the ▲/▼/◄/► buttons. Note that when the enlarged picture is smaller than the original screen size, the location change function doesn't work.
- The enlarged file is not saved.

❑ Background Music

You can select background music when watching a Slide Show.

- To use this feature, there must be music and photo files stored on the USB device.
- Loading music files is needed to change BGM mode. Play music files in music category to load.

Background Music → Off / On

- **Off**: Background music is not played.
- **On**: When the background music is available, if you select **On**, the music is played back.

BGM Mode → Mood / Selected File / Shuffle

You can select a mode to use for the background music.

BGM Mood → Energetic / Rhythmical / Sad / Exciting / Calm / Unclassified

Music with the mood you selected is set as the background music.

- If you set **BGM Mode** to **Mood**, you can select a mood.

Select Music File (0 File(s) Selected)

Only the selected music file is set as the background music.

- If you set **BGM Mode** to **Selected File**, you can select a music file.

❑ Picture Setting / Sound Setting

You can select the picture and sound settings.

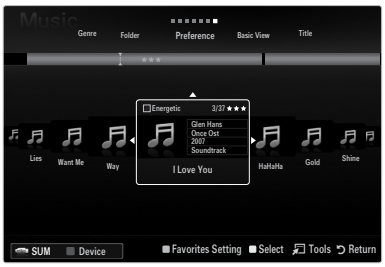
❑ Information

The photo file information is displayed.

❑ Safe Remove

You can remove the device safely from the TV.

Sorting the Music List



You can sort music files in the Music List by a particular standard.

1. Press the **MEDIA.P** button.
2. Press the ◄ or ► button to select **Music**, then press the **ENTER** button.
3. Press the ▲ button to move to the Sort key Section.
4. Press the ◄ or ► button to select a sorting standard. (**Basic View, Title, Artist, Mood, Genre, Folder, Preference**)
   - The Music files are sorted according to the newly selected sorting standard.
5. Press the ▼ button to move to the File List Section. Press the (Play)/ **ENTER** button to start playing music in the order selected by the user.
   - To move to the previous/next group, press the (REW) or (FF) button.
   - Music information is automatically set. The mood information extracted from a music file may differ from the expectations of the user. You can change the mood and preference.
   - If there is no title information for a music file, the filename is displayed.
   - If no information is available for the Artist, Album, Year, or Genre the corresponding item is displayed as blank.

❑ Basic View

Shows the folders of the USB memory device. If you select a folder and press the **ENTER** button, only the music files contained in the selected folder are displayed.

- When sorted according to the **Basic View**, you cannot set Favorite files.

❑ Title

Sorts the music titles in symbol/number/alphabet/special order, and shows the music file.

❑ Artist

Sorts the music file by artist in symbol/number/alphabet/special order.

❑ Mood → Energetic / Rhythmical / Sad / Exciting / Calm / Unclassified

Sorts music files by the mood. You can change the music mood information.

❑ Genre

Sorts music files by the genre.

❑ Folder

Sorts music files by the folder. If there are many folders in USB, the files are shown in order in each folder. The music file in the Root folder is shown first and the others are shown in alphabetical order by name.

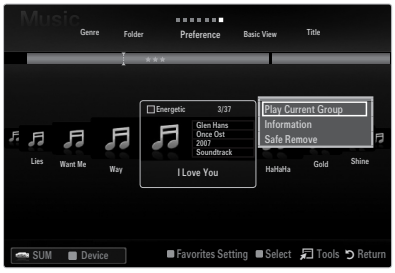
❑ Preference → ★☆☆ / ★★☆ / ★★★

Sorts music files by preference (Favorite). You can change the music files preferences.

- Changing the Favorites Setting
  Select the desired music file in the File List Section, then press the Green button repeatedly until the desired setting appears.
- Up to 3 stars can be selected.
- The stars are for grouping purposes only. For example, the 3 star setting does not have any priority over the one star setting.

Music List Option Menu

1. Press the **MEDIA.P** button.
2. Press the ◄ or ► button to select **Music**, then press the **ENTER** button.
3. Press the ◄ or ► button to select the desired Music file.
   - Selecting Multiple Music Files
     - Press the ◄ or ► button to select the desired music file. Then press the Yellow button.
     - Repeat the above operation to select multiple music files.
     - The mark ✓ appears to the selected music file.
4. Press the **TOOLS** button.
   - The option menu changes according to the current status.



❑ Play Current Group

Using this menu, you can only play music files in the currently selected sorting group.

❑ Change Group Info (When the Sort key is Mood)

You can change the mood information of music files.

The group information of the current file is updated and the file is moved to the new group.

- To change the information of multiple files, select files by pressing the Yellow button.

❑ Deselect All (When at least one file is selected)

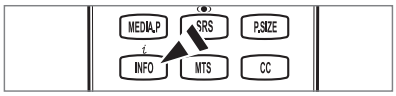
You can deselect all files.

- The ✓ mark indicating the corresponding file is selected is hidden.

❑ Information

The music file information including the name, the size, the date modified and the path is displayed.

- You can view the music file information during **Play Current Group** using the same procedures.
- Press the **INFO** button to viewing the information.

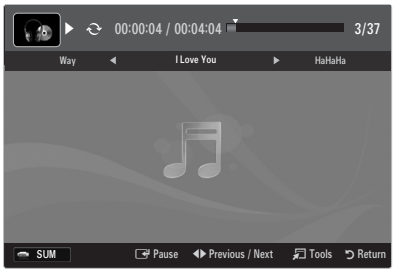


❑ Safe Remove

You can remove the device safely from the TV.

Playing Music

Playing a music file



1. Press the ▼ button to select the File List Section.
2. Press the ◄ or ► button to select a music file to be played.
3. Press the ► (Play)/**ENTER** button.
   - This menu only shows files with the MP3 file extension. Files with other file extensions are not displayed, even if they are saved on the same USB device.
   - The selected file is displayed at the top with its playing time.
   - To adjust the music volume, press the volume button on the remote control. To mute the sound, press the **MUTE** button on the remote control.
   - If the sound is odd when playing MP3 files, adjust the **Equalizer** and **SRS TruSurround HD** in the Sound menu. (An over-modulated MP3 file may cause a sound problem.)
   - The playing duration of a music file may be displayed as '00:00:00' if its playing time information is not found at the start of the file.
   - ◄◄ (REW) or ►► (FF) buttons do not function during play.

Music Play Control Buttons

Button	Operations
ENTER	Play/Pause the music file.
►	Play the music file
II	Pause the music file
■	Exit play mode and return to the music list.
TOOLS	Run various functions from the Music menus.

Music function information icon

	When all music files in the folder (or the selected file) are repeated. **Repeat Mode** is **On**.
	When all music files in the folder (or the selected file) are played once. **Repeat Mode** is **Off**.

Playing the music group

1. Press the ▲ button to move to the Sort key Section.
2. Press the ◄ or ► button to select a sorting standard.
3. Press the ▼ or **ENTER** button to move to the Group List Section.
4. Press the ► (Play) button. The files of the selected group will start playing.

- **Alternatively**

1. Select a sort key and then in the File List Section, select the files contained in the desired group.
   - To move to the previous/next group, press the ◄◄ (REW) or ►► (FF) button.
2. Press the **TOOLS** button.
3. Press the ▲ or ▼ button to select **Play Current Group**, then press the **ENTER** button.
   - The music files in the sorting group including the selected file are played.

Playing the selected music files

1. Press the ▼ button to select the File List Section.
2. Press the ◄ or ► button to select the desired music file.
3. Press the Yellow button.
4. Repeat the above operation to select multiple music files.
   - The ✓ appears to the left of the selected music file.
   - To deselect all selected files, press the **TOOLS** button and select **Deselect All**.
5. Press the ► (Play)/**ENTER** button.
   - The selected files will be played.

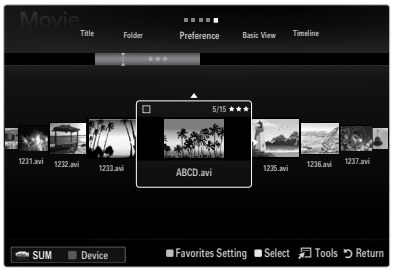
Music Play option Menu

Music Play Option Menu

- **Repeat Mode → On / Off**
  You can play music files repeatedly.
- **Picture Setting / Sound Setting**
  You can configure the picture and sound settings.
- **Information**
  The music file information is displayed.
- **Safe Remove**
  You can remove the device safely from the TV.

Sorting the Movie List

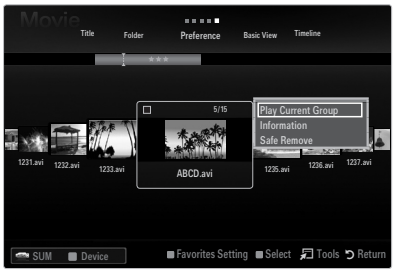
You can sort movies in the Movie List by a particular standard.



1. Press the **MEDIA.P** button.
2. Press the ◄ or ► button to select **Movie**, then press the **ENTER** button.
3. Press the ▲ button to move to the Sort key Section.
4. Press the ◄ or ► button to select a sorting standard. (**Basic View, Timeline, Title, Folder, Preference**)
   The movie files are sorted according to the newly selected sorting standard.
5. Press the (Play)/**ENTER** button to play the movie in the order selected.
   Movie information is automatically set. You can change the preference.

- **Basic View**
  Shows the folders of the USB memory device. If you select a folder and press the **ENTER** button, only the movie files contained in the selected folder are displayed.
  When sorted according to the **Basic View**, you cannot set Favorite files.
- **Timeline**
  Sorts movies by date. It sorts by year and month from the earliest movie.
- **Title**
  Sorts and displays the movie titles in symbol/number/alphabet/special order.
- **Folder**
  If there are many folders in USB, the movies files are shown in order in each folder. The movie file in the Root folder is shown first and the others are shown in alphabetical order by name.
- **Preference →** ★☆☆ / ★★☆ / ★★★ / ★★★
  Sorts movies by preference. (Favorite) You can change the movie preferences.
  Changing the Favorites Setting
  Select the desired movie file in the File List Section, then press the Green button repeatedly until the desired setting appears.
  Up to 3 stars can be selected.
  The stars are for grouping purposes only. For example, the 3 star setting does not have any priority over the one star setting.

Movie List Option Menu



1. Press the **MEDIA.P** button.
2. Press the ◄ or ► button to select **Movie**, then press the **ENTER** button.
3. Press the ◄ or ► button to select the desired Movie file.
   - Selecting Multiple Movie Files
     - Press the ◄ or ► button to select the desired movie file. Then press the Yellow button.
     - Repeat the above operation to select multiple movie files.
     - The mark ✓ appears to the selected movie file.
4. Press the **TOOLS** button.
   - The option menu changes according to the current status.

❑ Play Current Group

Using this menu, you can only play movie files in the currently selected sorting group.

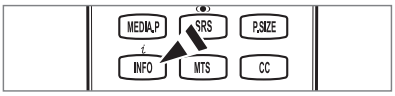
❑ Deselect All (When at least one file is selected)

You can deselect all files.

- The ✓ mark indicating the corresponding file is selected is hidden.

❑ Information

The movie file information including the name, the size, the date modified and the path is displayed.



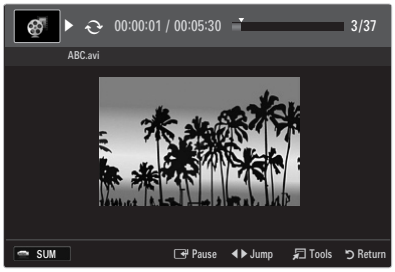
- Press the **INFO** button to viewing the information.

❑ Safe Remove

You can remove the device safely from the TV.

Playing a Movie File

Playing a movie file



1. Press the ▼ button to select the File List Section.
2. Pressing the ◄ or ► button to select a movie file to be played.
3. Press the ► (Play)/**ENTER** button.
   - The selected file is played.
   - The selected file is displayed at the top with its playing time.
   - The playing duration of a movie file may be displayed as '00:00:00' if its playing time information is not found at the start of the file.
   - You can watch exciting gaming multimedia files, but the gaming function is not supported.

Supported Subtitle Formats

Name	File extension	Format
MPEG-4 time-based text	.ttxt	XML
SAMI	.smi	HTML
SubRip	.srt	string-based
SubViewer	.sub	string-based
Micro DVD	.sub or .txt	string-based

Supported Movie Formats

File extension	Container	Video Decoder	Audio codec	Resolution
*.avi	AVI	Divx 3.11 / 4.x / 5.1 / 6.0	MP3 AC3 LPCM ADPCM	720x576
		XviD		1920x1080
		H.264 BP / MP / HP		1920x1080
		MPEG4 SP / ASP		1920x1080
		Motion JPEG		800x600
*.mkv	MKV	Divx 3.11 / 4.x / 5.1 / 6.0	MP3 AC3 LPCM ADPCM	720x576
		XviD		1920x1080
		H.264 BP / MP / HP		1920x1080
		MPEG4 SP / ASP		1920x1080
		Motion JPEG		800x600
*.asf	ASF	Divx 3.11 / 4.x / 5.1 / 6.0	MP3 AC3 LPCM ADPCM WMA	720x576
		XviD		1920x1080
		H.264 BP / MP / HP		1920x1080
		MPEG4 SP / ASP		1920x1080
		Motion JPEG		800x600
*.wmv	ASF	VC1	WMA	1920x1080
*.mp4	MP4 (SMP4)	H.264 BP / MP / HP	MP3 ADPCM AAC	1920x1080
		MPEG4 SP / ASP		1920x1080
		XVID		1920x1080
*.3gp	3GPP	H.264 BP / MP / HP	ADPCM AAC	1920x1080
		MPEG4 SP / ASP		1920x1080
*.vro	VRO VOB	MPEG2	AC3 MPEG LPCM	1920x1080
		MPEG1		1920x1080
*.mpg *.mpeg	PS	MPEG1	AC3 MPEG PCM	1920x1080
		MPEG2		1920x1080
*.ts *.tp *.trp	TS	MPEG2	AAC MP3	1920x1080
		H.264		1920x1080
		VC1		1920x1080

Video Play Control Buttons

Button	Operations
ENTER ↵	Play/Pause the movie file
►	Play the movie file
II	Pause the movie file
TOOLS	Run various functions from the Movie menus.
■	Exit play mode and return to the movie list.
◄ / ►	Skip forwards or backwards through the movie file.
▲ / ▼	Move to the first/last of the file.
►►	Play the file at double speed. This function may not be supported depending on the movie file.

Playing the movie group

1. Press the ▲ button to move to the Sort key Section.
2. Press the ◄ or ► button to select a sorting standard.
3. Press the ▼ or **ENTER** ↵ button to move to the Group List Section.
4. Press the ► (Play) button. Only the files of the selected group will start playing.

- **Alternatively**

1. Select a Sort key and then in the File List Section, select the files contained in the desired group.
   To move to the previous/next group, press the ◄◄ (REW) or ►► (FF) button.
2. Press the **TOOLS** button.
3. Press the ▲ or ▼ button to select **Play Current Group**, then press the **ENTER** ↵ button.
   The movie files in the sorting group including the selected file are played.

Playing the selected movie files

1. Press the ▼ button to select the File List Section.
2. Press the ◄ or ► button to select the desired movie file.
3. Press the Yellow button.
   The ✓ mark appears to the left of the selected movie file.
   To deselect all selected files, press the **TOOLS** button and select **Deselect All**.
4. Repeat the above operation to select multiple movie files.
5. Press the ► (Play)/**ENTER** ↵ button.
   Only the selected file is played.

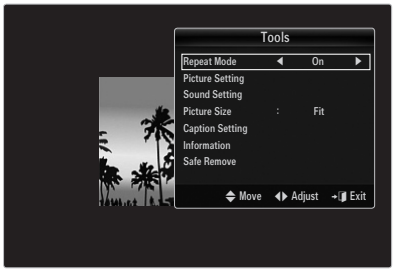
Playing movie continuously (Resume Play)

If you exit the playing movie function, the movie can be played later from the point where it was stopped.

1. Select the movie file you want to play continuously by pressing the ◄ or ► button to select it from the File List Section.
2. Press the ► (Play)/**ENTER** ↵ button.
3. Select **Play Continuously** (Resume Play) by pressing the Blue button.
   The Movie will begin to play from where it was stopped.
   If **Continuous Movie Play Help** function is set **On** in the **Setup** menu, a pop-up message will appear when you resume play a movie file.

Movie Play Option Menu

Movie Play Option Menu



❑ Repeat Mode → On / Off

You can play movie files repeatedly.

❑ Picture Setting / Sound Setting

You can configure the picture and sound settings.

❑ Picture Size

- **Fit**
  Play video at the TV screen size.
- **Original**
  Play video at the original size.

❑ Caption Setting

You can set the captions for the movie.

- **Caption → On / Off**
  You can turn the captions for the movie on or off.
- **Caption Size → Small / Standard / Large**
  You can change the font size of the captions.
- **Caption Sync**
  You can adjust the caption sync.
- **Caption Sync Reset**
  You can reset the adjusted caption sync.

❑ Information

The movie file information is displayed.

❑ Safe Remove

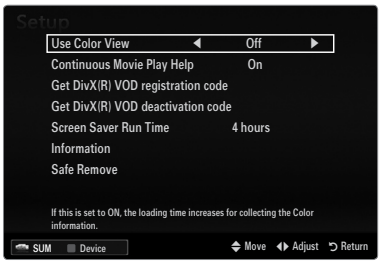
You can remove the device safely from the TV.

Using the Setup Menu

Setup displays the user settings of the **Media Play** menu.

1. Press the **MEDIA.P** button.
2. Press the ◄ or ► button to select **Setup**, then press the **ENTER** button.
3. Press the ▲ or ▼ button to select the desired option.
4. Press the ◄ or ► button to select the desired option.

   To exit **Media Play** mode, press the **MEDIA.P** button on the remote control.



- **Use Color View → On / Off**

  You can select sorting photos by Color. If this option is set to On, the loading time may be increased to collect Color information from the photos.

- **Continuous Movie Play Help → On / Off**

  Select to display the help pop-up message for continuous movie playback.

- **Get DivX® VOD registration code**

  Shows the registration code authorized for the TV. If you connect to the DivX web site and register the registration code with a personal account, you can download the VOD registration file.

  If you play the VOD registration using Media Play, the registration is completed.

  For more information on DivX® VOD, visit www.DivX.com.

- **Get DivX® VOD deactivation code**

  When DivX® VOD is not registered, the registration deactivation code is displayed.

  If you execute this function when DivX® VOD is registered, the current DivX® VOD registration is deactivated.

- **Screen Saver Run Time → 4 hours / 8 hours / 10 hours**

  Select to set the waiting time before the screen saver appears.

- **Information**

  Select to viewing the information of the connected device.

- **Safe Remove**

  You can remove the device safely from the TV.

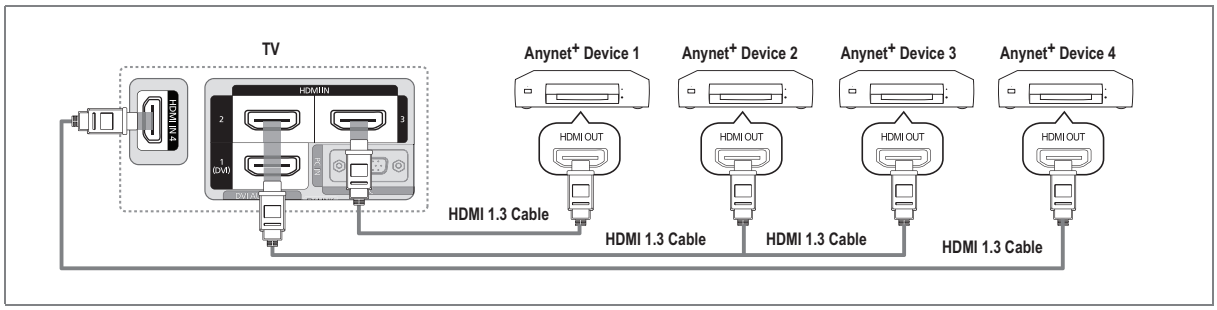
ANYNET+

Connecting Anynet+ Devices

What is Anynet+?

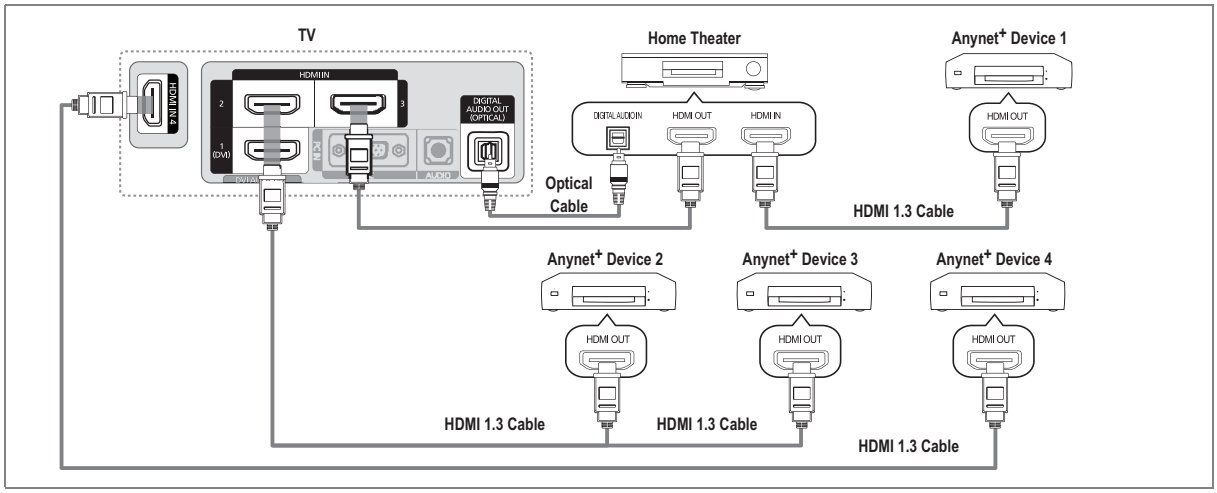
Anynet+ is a function that enables you to control all connected Samsung devices that support Anynet+ with your Samsung TV's remote. The Anynet+ system can be used only with Samsung devices that have the Anynet+ feature. To be sure your Samsung device has this feature, check if there is an Anynet+ logo on it.

To connect to a TV



1. Connect the **HDMI IN (1(DVI), 2, 3** or **4)** jack on the TV and the HDMI OUT jack of the corresponding Anynet+ device using an HDMI cable.

To connect to Home Theater

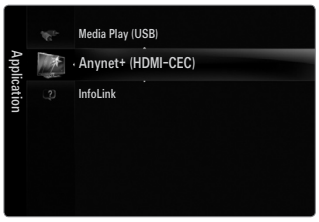


1. Connect the **HDMI IN (1(DVI), 2, 3** or **4)** jack on the TV and the HDMI OUT jack of the corresponding Anynet+ device using an **HDMI** cable.
2. Connect the HDMI IN jack of the home theater and the HDMI OUT jack of the corresponding Anynet+ device using an HDMI cable.

- Connect the Optical cable between the **DIGITAL AUDIO OUT (OPTICAL)** jack on your TV and the Digital Audio Input on the Home Theater.
- When following the connection above, the Optical jack only outputs 2 channel audio. You will only hear sound from the Home Theater's Front Left and Right speakers and the subwoofer. If you want to hear 5.1 channel audio, connect the **DIGITAL AUDIO OUT (OPTICAL)** jack on the DVD / Satellite Box (ie Anynet Device 1 or 2) directly to the Amplifier or Home Theater, not the TV.
- Connect only one Home Theater.
- You can connect an Anynet+ device using the HDMI 1.3 cable. Some HDMI cables may not support Anynet+ functions.
- Anynet+ works when the AV device supporting Anynet+ is in the Standby or On status.
- Anynet+ supports up to 12 AV devices in total. Note that you can connect up to 3 devices of the same type.

Setting Up Anynet+

Press the **TOOLS** button to display the **Tools** menu. You can also display Anynet+ menu by selecting **Tools** → **Anynet+ (HDMI-CEC)**.

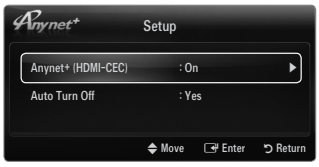


❑ Setup

■ **Anynet+ (HDMI-CEC)** → **Off / On**

To use the Anynet+ Function, **Anynet+ (HDMI-CEC)** must be set to **On**.

When the **Anynet+ (HDMI-CEC)** function is disabled, all the Anynet+ related operations are deactivated.

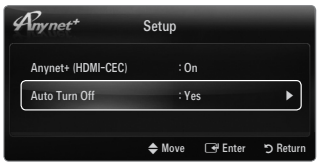


■ **Auto Turn Off** → **No / Yes**

Setting an Anynet+ Device to turn Off automatically when the TV is turned Off.

The active source on the TV remote must be set to TV to use the Anynet+ function.

If you set **Auto Turn Off** to **Yes**, connected external devices are also turned off when the TV is turned off. If an external device is still recording, it may or may not turn off.



Switching between Anynet+ Devices

1. Press the **TOOLS** button. Press the **ENTER** button to select **Anynet+ (HDMI-CEC)**.
2. Press the ▲ or ▼ button to select **Device List**, then press the **ENTER** button.
   - Anynet+ devices connected to the TV are listed.
   - If you cannot find a device you want, press the red button to scan for devices.
3. Press the ▲ or ▼ button to select a particular device and press the **ENTER** button. It is switched to the selected device.
   - Only when you set **Anynet+ (HDMI-CEC)** to **On** in the **Application** menu, the **Device List** menu appears.

Switching to the selected devices may take up to 2 minutes. You cannot cancel the operation during the switching operation.

The time required to scan for devices is determined by the number of connected devices.

When the device scan is complete, the number of devices found are not displayed.

Although the TV automatically searches the device list when the TV is turned on via the power button, devices connected to the TV may not always be automatically displayed in the device list. Press the red button to search for the connected device.

If you have selected external input mode by pressing the **SOURCE** button, you cannot use the Anynet+ function. Make sure to switch to an Anynet+ device by using the **Device List**.

Anynet+ Menu

The Anynet+ menu changes depending on the type and status of the Anynet+ devices connected to the TV.

Anynet+ Menu	Description
View TV	Anynet+ mode changes to TV broadcast mode.
Device List	Shows the Anynet+ device list.
(device_name) **MENU**	Shows the connected device menus. E.g. If a DVD recorder is connected, the disc menu of the DVD recorder will appear.
(device_name) **INFO**	Shows the play menu of the connected device. E.g. If a DVD recorder is connected, the play menu of the DVD recorder will appear.
Recording: (*recorder)	Starts recording immediately using the recorder. (This is only available for devices that support the recording function.)
Stop Recording: (*recorder)	Stops recording.
Receiver	Sound is played through the receiver.

If more than one recording device is connected, they are displayed as (*recorder) and if only one recording device is connected, it will be represented as (*device_name).

TV Remote Control Buttons Available in Anynet+ Mode

Device Type	Operating Status	Available Buttons
Anynet+ Device	After switching to the device, when the menu of the corresponding device is displayed on the screen.	Numeric buttons ▲/▼/◄/►/ **ENTER** ↵ buttons Color buttons / **EXIT** button
	After switching to the device, while playing a file	◄◄(Backward search) / ►►(Forward search) / ■(Stop) / ►(Play) / ❚❚(Pause)
Device with built-in Tuner	After switching to the device, when you are watching a TV program	∨ **CH** ∧ button
Audio Device	When Receiver is activated	**– VOL +** / **MUTE** button

- The Anynet+ function only works when the active source on the TV remote control is set to TV.
- The ● button works only while in the recordable state.
- You cannot control Anynet+ devices using the buttons on the TV. You can control Anynet+ devices only using the TV remote control.
- The TV remote control may not work under certain conditions. If this occurs, reselect the Anynet+ device.
- The Anynet+ functions do not operate with other manufacturers' products.
- The ◄◄, ►► operations may differ depending on the device.

Recording

You can make a recording of a TV program using a Samsung recorder.

1. Press the **TOOLS** button. Press the **ENTER** ↵ button to select **Anynet+ (HDMI-CEC)**.
2. Press the ▲ or ▼ button to select Recording Immediately and press the **ENTER** ↵ button. Recording begins.
   - When there is more than one recording device
     When multiple recording devices are connected, the recording devices are listed. Press the ▲ or ▼ button to select a recording device and press the **ENTER** ↵ button. Recording begins.
   - When the recording device is not displayed select **Device List** and press the Red button to search devices
3. Press the **EXIT** button to exit.
   - You can record the source streams by selecting **Recording:** (device_name).
   - Pressing the ● button will record whatever you are currently watching. If you are watching video from another device, the video from the device is recorded.
   - Before recording, check whether the antenna jack is properly connected to the recording device. To properly connect an antenna to a recording device, refer to the recording device's users manual.

Listening through a Receiver (Home Theater)

You can listen to sound through a receiver instead of the TV speaker.

1. Press the **TOOLS** button. Press the **ENTER** ↵ button to select **Anynet+ (HDMI-CEC)**.
2. Press the ▲ or ▼ button to select **Receiver**. Press the ◄ or ► button to select **On** or **Off**.
3. Press the **EXIT** button to exit.
   - If your receiver supports audio only, it may not appear in the device list.
   - The receiver will work when you have properly connected the optical in jack of the receiver to the **DIGITAL AUDIO OUT (OPTICAL)** jack of the TV.
   - When the receiver (home theater) is set to On, you can hear sound output from the TV's Optical jack. When the TV is displaying a DTV(air) signal, the TV will send out 5.1 channel sound to the Home Theater receiver. When the source is a digital component such as a DVD and is connected to the TV via HDMI, only 2 channel sound will be heard from the Home Theater receiver.
   - If there is a power interruption to the TV when the **Receiver** is set to **On** (by disconnecting the power cord or a power failure), the **Speaker Select** may be set to **External Speaker** when you turn the TV on again.

Troubleshooting for Anynet+

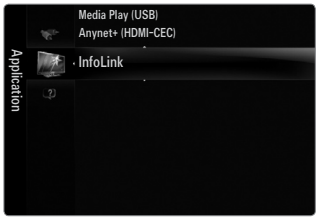
Problem	Possible Solution
Anynet+ does not work.	● Check if the device is an Anynet+ device. The Anynet+ system supports Anynet+ devices only. ● Connect only one receiver (home theater). ● Check if the Anynet+ device power cord is properly connected. ● Check the Anynet+ device's Video/Audio/HDMI 1.3 cable connections. ● Check whether Anynet+ (HDMI-CEC) is set to On in the Anynet+ setup menu. ● Check whether the TV remote control is in TV mode. ● Check whether it is Anynet+ exclusive remote control. ● Anynet+ doesn't work in certain situations. (Searching channels, Operating **Media Play, Plug & Play**, etc.) ● When connecting or removing the HDMI 1.3 cable, please make sure to search devices again or turn your TV off and on again. ● Check if the Anynet+ Function of Anynet+ device is set on.
I want to start Anynet+.	● Check if the Anynet+ device is properly connected to the TV and check if the **Anynet+ (HDMI-CEC)** is set to **On** in the **Anynet+ Setup** menu. ● Press the TV button on the TV remote control to switch to TV. Then press the **TOOLS** button to show the Anynet+ menu and select a menu you want.
I want to exit Anynet+.	● Select **View TV** in the Anynet+ menu. ● Press the **SOURCE** button on the TV remote control and select a device other than Anynet+ devices. ● Press ∨ **CH** ∧, **CH LIST**, **PRE-CH**, and **FAV.CH** to change the TV mode. (Note that the channel button operates only when a tuner-embedded Anynet+ device is not connected.)
The message 'Connecting to Anynet+ device...' appears on the screen.	● You cannot use the remote control when you are configuring Anynet+ or switching to a view mode. ● Use the remote control when the Anynet+ setting or switching to view mode is complete.
The Anynet+ device does not play.	● You cannot use the play function when Plug & Play is in progress.
The connected device is not displayed.	● Check whether or not the device supports Anynet+ functions. ● Check whether or not the HDMI 1.3 cable is properly connected. ● Check whether **Anynet+ (HDMI-CEC)** is set to **On** in the Anynet+ setup menu. ● Search Anynet+ devices again. ● You can connect an Anynet+ device using the HDMI 1.3 cable only. Some HDMI cables may not support Anynet+ functions. ● If it is terminated by an abnormal situation such as disconnecting the HDMI cable or power cord or a power failure, please repeat the device scan.
The TV program cannot be recorded.	● Check whether the antenna jack on the recording device is properly connected.
The TV sound is not output through the receiver.	● Connect the optical cable between TV and the receiver.

InfoLink

Using InfoLink

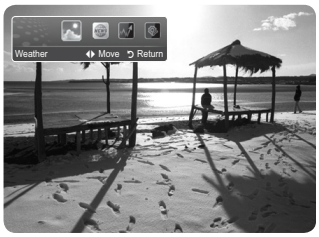
You can view news, stock market and weather information services using SAMSUNG's InfoLink service.

- For more information on how to configure your network, refer to 'Setting the Network'. (see pages 30~35)
- Information provided by **USA TODAY** via **InfoLink** is for the United States only. Information for other countries is not provided.



Activating InfoLink

1. Press the **MENU** button to display the menu. Press the ▲ or ▼ button to select **Application**, then press the **ENTER** button.
2. Press the ▲ or ▼ button to select **InfoLink**, then press the **ENTER** button.
3. Press the ◄ or ► button to select a service (**Weather, News, Stocks** or **Setup**) and press the **ENTER** button.



- Press the **INFO.L** button on the remote control to display the **InfoLink** menu.

Using the Weather Service

1. Press the **INFO.L** button on the remote control.
2. Press the ◄ or ► button to move to the **Weather** service and press the **ENTER** button.

Set up the Region

3. Press Yellow button. Input the postal (zip) code of the region by pressing the number buttons on the remote, then pres s the **ENTER** button.
   - You can check the weather of the selected region.

Set up Weather Option

4. Press the Red button while using the service to change the **Weather** service option.
5. Press ▲ or ▼ button and select **Weather** option.

- To exit the **Weather** service, press the Blue button.
- To exit the **InfoLink** service, press the **EXIT** button.

Using the News Service

- The news provider may be changed in the future.

1. Press the **INFO.L** button on the remote control.
2. Press the ◄ or ► button to move to the **News** service and press the **ENTER** button.
   - Press the **ENTER** button to view the detailed article.
   - Press the ▲ or ▼ button to view the previous or next article.
3. Press the Red button while using the service to change the **News** service Option.
4. Press ▲ or ▼ button and select **News** service option.

- The News service option changes depending on the provided web service.
- To exit the **News** service, press the Blue button.
- To exit the **InfoLink** service, press the **EXIT** button.

Using the Stock Service

1. Press the **INFO.L** button on the remote control.
2. Press the ◄ or ► button to move to the **Stocks** service and press the **ENTER** button.
3. Press the Red button while using the service to change the **Stocks** service option.
4. Press ▲ or ▼ button and select **Stocks** service option, then press the **ENTER** button.

- **Favorite Stocks**
  The Favorite stock information is displayed. You can set up the Favorite Stocks by pressing the Yellow button.
- **Market Summary**
  Dow Jones, NASDAQ and **S&P 500** are toggled and the entire index, amount of up or down, and % are displayed.
- **Stocks & News**
  The Favorite stock information and **Dow Jones, NASDAQ** and **S&P 500** index and Financial news are displayed.

- Stock quotes delayed at least 15 minutes.
- To exit the **Stocks** service, press the Blue button.
- To exit the **InfoLink** service, press the **EXIT** button.

Setting Favorite Stocks Items

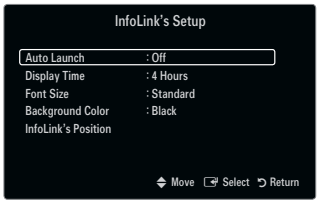
1. Press the Yellow button when **Favorite Stocks** or **Stocks & News** is selected. The Set Favorite Stocks screen appears.
2. Press ◄ or ► button to move to the Category. Press the ▲ or ▼ button to select a Category. Press the **ENTER** button.
3. Press the ▲ or ▼ button to select a stock item and press the **ENTER** button.
   - The selected stock is set as a **Favorite Stock**.
   - The ✓ mark will appear to the left of the stock name.
   - Press the **ENTER** button again to cancel the setting. The mark will disappear.
   - To cancel all selections, press the Green button.
   - Pressing the Red button toggles between **NYSE** and **NASDAQ**.
4. To finish the settings, press the **RETURN** button.

InfoLink Setup

1. Press the **INFO.L** button on the remote control.
2. Press the ◄ or ► button to select **Setup**, then press the **ENTER** button.
3. Press the ▲ or ▼ button to select the desired option, then press the **ENTER** button.

To exit the **Setup** service, press the **RETURN** button.

To exit the **InfoLink** service, press the **EXIT** button.



- **Auto Launch**
  Determines whether to launch InfoLink automatically when the TV is turned on. You can select either **Off** or **On**.
- **Display Time**
  Determines the time to display the news service on the TV screen. You can select **4 Hours, 8 Hours, 10 Hours**, or **Always**.
- **Font Size**
  You can select letter size **Standard** or **Large** through InfoLink service.
- **Background Color**
  You can select the Background Color of InfoLink service. The color is applied to each service, option and setup window.
- **InfoLink's Position**
  You can set the position of each InfoLink service on the screen. You can select from six preset InfoLink positions (**Position 1~Position 6**).

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RECOMMENDATIONS

Troubleshooting

If the TV seems to have a problem, first try this list of possible problems and solutions. If none of these troubleshooting tips apply, call Samsung customer service at 1-800-SAMSUNG.

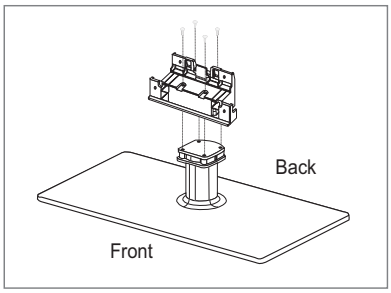
Problem	Possible Solution
Poor picture.	Try another channel. / Adjust the antenna. / Check all wire connections.
Poor sound quality.	Try another channel. / Adjust the antenna.
No picture or sound.	Try another channel. / Press the **SOURCE** button. Make sure the TV is plugged in. / Check the antenna connections.
No sound or sound is too low at maximum volume.	First, check the volume of units connected to your TV (digital broadcasting receiver, DVD, cable broadcasting receiver, VCR, etc.). Then, adjust the TV volume accordingly.
Picture rolls vertically.	Check all wire connections.
There is a problem with the picture	Run the Picture test in the Self diagnostic menu.
There is a problem with the sound	Run the Sound test in the Self diagnostic menu.
The TV operates erratically.	Unplug the TV for 30 seconds, then try operating it again.
The TV won't turn on.	Make sure the wall outlet is working.
Remote control malfunctions.	Replace the remote control batteries. Clean the upper edge of the remote control (transmission window). Check the battery terminals.
'Check signal cable' message.	Ensure that the signal cable is firmly connected to the PC source.
'Not Supported Mode' message.	Check the maximum resolution and connected device's Video frequency. Compare these values with the data in the Display Modes.
Digital broadcasting screen problem.	Please check the digital signal strength and input antenna.
The image is too light or too dark.	Adjust the Brightness and Contrast. / Adjust the Fine tuning.
Black bars on the screen.	Make sure the broadcast you're receiving is High Definition (HD). HD channels sometimes broadcast Standard Definition (SD) programming, which can cause black bars. Set your cable/satellite box to stretch or widescreen mode to eliminate the bars.
Picture has a Red/Green or Pink tint.	Make sure the Component cables are connected to the correct jacks.
Closed Captioning not working.	If you are using a Cable/Satellite box, you must set Closed Captioning on the box, not your TV.
Snowy picture.	Your cable box may need a firmware upgrade. Please contact your Cable company.
Ghosting on picture.	This is sometimes caused by compatibility issues with your cable box. Try connecting Component cables instead.
Horizontal bars appear to flicker, jitter or shimmer on the image.	Adjust the Coarse tuning and then adjust the Fine tuning.
Vertical bars appear to flicker, jitter or shimmer on the image.	Adjust the Coarse tuning and then adjust the Fine tuning.
Screen is black and power indicator light blinks steadily.	On your computer check: Power, Signal Cable. The TV is using its power management system. Move the computer's mouse or press any key on the keyboard.

Problem	Possible Solution
Image is not stable and may appear to vibrate when you have a computer connected to the PC input.	If the setting is not correct, use your computer utility program to change the display settings. Your TV supports multiscan display functions within the following frequency domain: - Horizontal frequency (KHz): 30~60 - Vertical frequency (Hz): 60~75 - PC Maximum refresh rate (at 60 Hz): 1920 x 1080
Image is not centered on the screen.	Adjust the horizontal and vertical position. The screen position must be adjusted on the output source (i.e. STB) with a digital signal.
The picture appears distorted in the corner of the screen.	If **Screen Fit** is selected with some external devices, the picture may appear distorted in the corner of the screen. This symptom is caused by the external devices, not TV.
The 'Resets all settings to the default values.' message appears.	This appears when you press and hold the **EXIT** button for a while. The product settings are reset to the factory defaults.

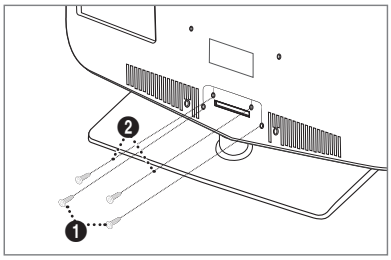
- This TFT LCD panel uses a panel consisting of sub pixels (6 220 800) which require sophisticated technology to produce. However, there may be few bright or dark pixels on the screen. These pixels will have no impact on the performance of the product.

Installing the Stand

- The product color and shape may vary depending on the model.
- Preset: Place the Guide Stand and Cover Neck onto the stand and fasten it using the screws. Applicable to models (LN32B650) only.

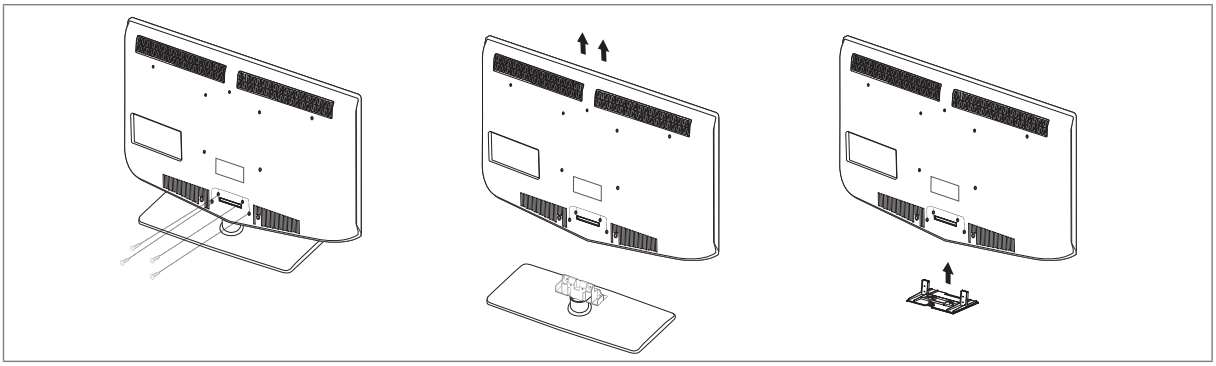


1. Attach your LCD TV to the stand.
   - Two or more people should carry the TV.
   - Make sure to distinguish between the front and back of the stand when attaching it.
   - To make sure the TV is installed on the stand at a proper level, do not apply excess downward pressure to the upper left of right sides of the TV.
2. Fasten screws at position ❶ and then fasten screws at position ❷.
   - Stand the product up and fasten the screws. If you fasten the screws with the LCD TV placed down, it may lean to one side.



Disconnecting the Stand

- The product color and shape may vary depending on the model.

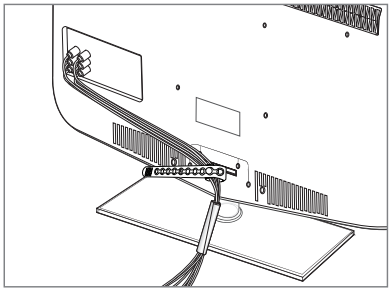


1. Remove screws from the back of the TV.
2. Separate the stand from the TV.
   - Two or more people should carry the TV.
3. Cover the bottom hole with the cover.

Assembling the Cables

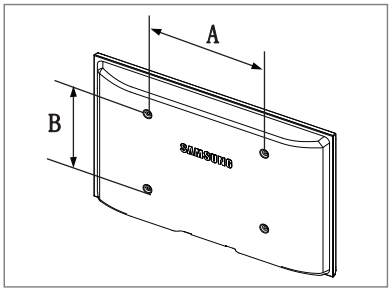
Enclose the cables in the Holder-Wire Cable so that the cables are not visible through the transparent stand.

- The product color and shape may vary depending on the model.



Wall Mount Kit Specifications (VESA)

Install your wall mount on a solid wall perpendicular to the floor. When attaching to other building materials, please contact your nearest dealer. If installed on a ceiling or slanted wall, it may fall and result in severe personal injury.



- Standard dimensions for wall mount kits are shown in the table above.
- When purchasing our wall mount kit, a detailed installation manual and all parts necessary for assembly are provided.
- Do not use screws longer than the standard dimension, as they may cause damage to the inside of the TV set.
- For wall mounts that do not comply with the VESA standard screw specifications, the length of the screws may differ depending on their specifications.
- Do not use screws that do not comply with the VESA standard screw specifications.
- Do not fasten the screws too strongly, this may damage the product or cause the product to fall, leading to personal injury. Samsung is not liable for these kinds of accidents.
- Samsung is not liable for product damage or personal injury when a non-VESA or non-specified wall mount is used or the consumer fails to follow the product installation instructions.
- Our 57” and 63” models do not comply with VESA Specifications. Therefore, you should use our dedicated wall mount kit for this model.
- Do not exceed 15 degrees tilt when mounting this TV.

Product Family	inches	VESA Spec. (A * B)	Standard Screw	Quantity
LCD-TV	19~22	100 X 100	M4	4
	23~29	200 X 100		
	30~40	200 X 200	M6	
	46~55	400 X 400	M8	
	57~70	800 X 400		
	80~	1400 X 800		
PDP-TV	42~50	400 X 400	M8	4
	58~63	600 X 400		
	70~	800 X 400		
	80~	1400 X 800		
LFD	30~39	200 X 200	M6	4
	40~52	400 X 400	M8	
	55~70	800 X 400		
	70~	1400 X 800		

Do not install your Wall Mount Kit while your TV is turned on. It may result in personal injury due to electric shock.

Anti-Theft Kensington Lock

The product color and shape may vary depending on the model.

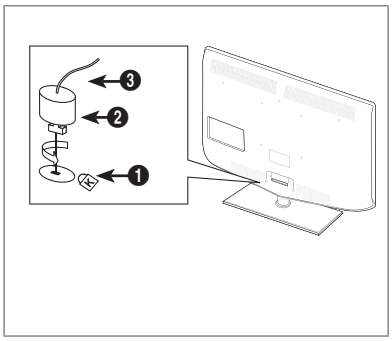
The Kensington Lock is a device used to physically fix the system when using it in a public place. The appearance and locking method may differ from the illustration depending on the manufacturer.

Refer to the manual provided with the Kensington Lock for proper use.

The locking device has to be purchased separately.

The location of the Kensington Lock may depending on its model.

1. Insert the locking device into the Kensington slot on the LCD TV (❶) and turn it in the locking direction (❷).
2. Connect the Kensington Lock cable (❸).
3. Fix the Kensington Lock to a desk or a heavy stationary object.



Securing the Installation Space

Keep the required distances between the product and other objects (e.g. walls) to ensure proper ventilation.

Failing to do so may result in fire or a problem with the product due to an increase in the internal temperature of the product.

Install the product so the required distances shown in the figure are kept.

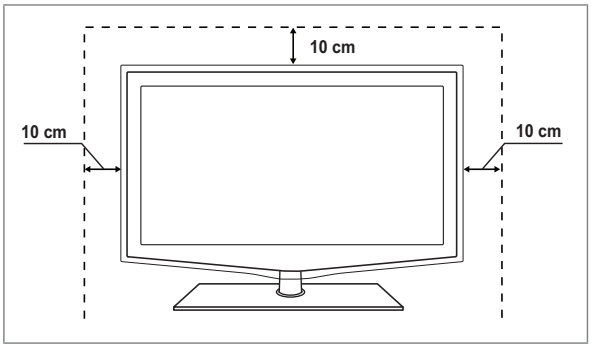
When using a stand or wall-mount, use parts provided by Samsung Electronics only.

- If you use parts provided by another manufacturer, it may result in a problem with the product or an injury due to the product falling.
- If you use parts provided by another manufacturer, it may result in a problem with the product or fire due to an increase in the internal temperature of the product due to poor ventilation.

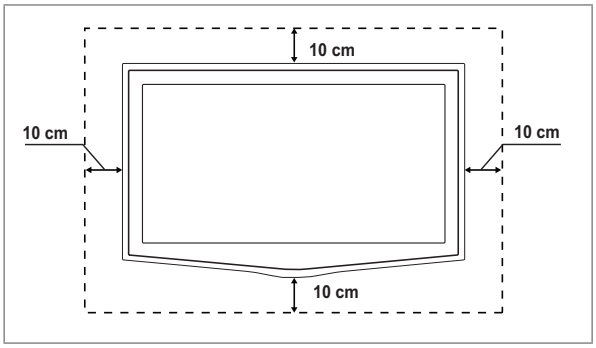
The appearance may differ depending on the product.

The product color and shape may vary depending on the model.

When installing the product with a stand



When installing the product with a wall-mount



Securing the TV to a Wall or Cabinet

The product color and shape may vary depending on the model.

Caution: Pulling, pushing, or climbing on the TV may cause the TV to fall. In particular, ensure your children do not hang over or destabilize the TV; doing so may cause the TV to tip over, causing serious injuries or death. Follow all safety precautions provided on the included Safety Flyer. For added stability, install the anti-fall device for safety purposes, as follows.

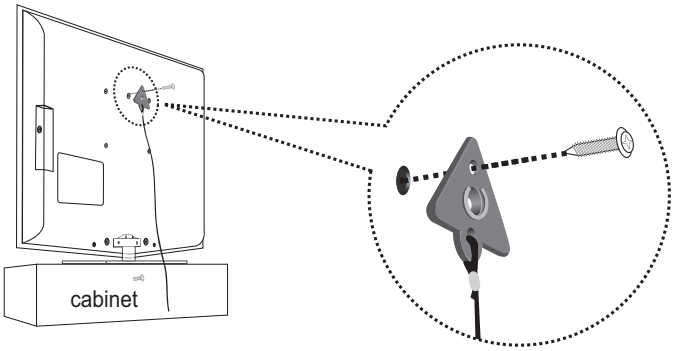
- **Components (Depending on the model):**

TV-Holder

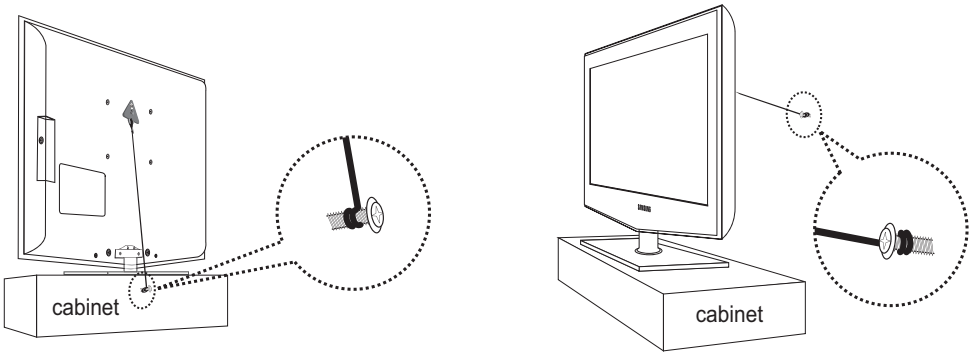
Screw ❶ (M4XL16)

- **To prevent the TV from falling:**

1. Attach the TV-Holder to the TV by fastening the screws ❶ (M4XL16) into the holes in the center of the TV.
   - Make sure to only use the supplied screws.



2. Firmly fasten the screws to the wall or cabinet where the TV is to be installed. Tie the TV-Holder attached to the TV and the screws fastened on the wall or cabinet so that the TV is fixed.
   - Purchase the screws to be used on the wall or cabinet separately.
   - Install the TV close to the wall so that it does not fall.
   - When attaching the TV to the wall, tie the cord level with the ground or slanted downwards for safety purposes.
   - Confirm that the cord or link does not come loose.
   - Before moving the TV, separate the connected cord first.



3. Verify all connections are properly secured. Periodically check connections for any sign of fatigue or failure. If you have any doubt about the security of your connections, contact a professional installer.

Specifications

Model Name	LN32B650
Screen Size (Diagonal)	32 inches (31.6 inches measured diagonally)
PC Resolution (Optimum)	1920 x 1080 @ 60 Hz
Sound (Output)	10W x 2
Dimensions (WxDxH) Body With stand	 31.6 x 3.0 x 21.5 (inch) / 802.9 x 77.1 x 544.9 (mm) 31.6 x 9.4 x 23.7 (inch) / 802.9 x 239.0 x 601.0 (mm)
Weight Without Stand With Stand	 23.8 lbs / 10.8 Kg 31.1 lbs / 14.1 Kg
Environmental Considerations Operating Temperature Operating Humidity Storage Temperature Storage Humidity	 10°C to 40°C (50°F to 104°F) 10% to 80%, non-condensing -20°C to 45°C (-4°F to 113°F) 5% to 95%, non-condensing
Stand Swivel (Left / Right)	 -20˚ ~ 20˚

Model Name	LN37B650
Screen Size (Diagonal)	37 inches (37.1 inches measured diagonally)
PC Resolution (Optimum)	1920 x 1080 @ 60 Hz
Sound (Output)	10W x 2
Dimensions (WxDxH) Body With stand	 36.5 x 3.1 x 24.0 (inch) / 926.7 x 78.2 x 608.4 (mm) 36.5 x 10.0 x 26.3 (inch) / 926.7 x 255.0 x 668.2 (mm)
Weight Without Stand With Stand	 29.5 lbs / 13.4 Kg 38.1 lbs / 17.3 Kg
Environmental Considerations Operating Temperature Operating Humidity Storage Temperature Storage Humidity	 10°C to 40°C (50°F to 104°F) 10% to 80%, non-condensing -20°C to 45°C (-4°F to 113°F) 5% to 95%, non-condensing
Stand Swivel (Left / Right)	 -20˚ ~ 20˚

Model Name	LN40B630
Screen Size (Diagonal)	40 inches (40.0 inches measured diagonally)
PC Resolution (Optimum)	1920 x 1080 @ 60 Hz
Sound (Output)	10W x 2
Dimensions (WxDxH) Body With stand	 39.2 x 3.1 x 25.6 (inch) / 995.1 x 78.6 x 650.4 (mm) 39.2 x 10.0 x 27.8 (inch) / 995.1 x 255.0 x 705.9 (mm)
Weight Without Stand With Stand	 32.4 lbs / 14.7 Kg 41.2 lbs / 18.7 Kg
Environmental Considerations Operating Temperature Operating Humidity Storage Temperature Storage Humidity	 10°C to 40°C (50°F to 104°F) 10% to 80%, non-condensing -20°C to 45°C (-4°F to 113°F) 5% to 95%, non-condensing
Stand Swivel (Left / Right)	-20˚ ~ 20˚

Model Name	LN46B630
Screen Size (Diagonal)	46 inches (46.0 inches measured diagonally)
PC Resolution (Optimum)	1920 x 1080 @ 60 Hz
Sound (Output)	10W x 2
Dimensions (WxDxH) Body With stand	 44.0 x 3.1 x 30.7 (inch) / 1118.5 x 78.6 x 779.6 (mm) 44.0 x 10.9 x 28.5 (inch) / 1118.5 x 277.0 x 724.5 (mm)
Weight Without Stand With Stand	 43.0 lbs / 19.5 Kg 54.0 lbs / 24.5 Kg
Environmental Considerations Operating Temperature Operating Humidity Storage Temperature Storage Humidity	 10°C to 40°C (50°F to 104°F) 10% to 80%, non-condensing -20°C to 45°C (-4°F to 113°F) 5% to 95%, non-condensing
Stand Swivel (Left / Right)	-20˚ ~ 20˚

Model Name	LN52B630
Screen Size (Diagonal)	52 inches (52.0 inches measured diagonally)
PC Resolution (Optimum)	1920 x 1080 @ 60 Hz
Sound (Output)	10W x 2
Dimensions (WxDxH) Body With stand	 49.7 x 3.1 x 32.3 (inch) / 1261.5 x 79.9 x 819.3 (mm) 49.7 x 12.0 x 34.5 (inch) / 1261.5 x 305.0 x 877.2 (mm)
Weight Without Stand With Stand	 56.4 lbs / 25.6 Kg 68.3 lbs / 31 Kg
Environmental Considerations Operating Temperature Operating Humidity Storage Temperature Storage Humidity	 10°C to 40°C (50°F to 104°F) 10% to 80%, non-condensing -20°C to 45°C (-4°F to 113°F) 5% to 95%, non-condensing
Stand Swivel (Left / Right)	-20˚ ~ 20˚

Model Name	LN40B640
Screen Size (Diagonal)	40 inches (40.0 inches measured diagonally)
PC Resolution (Optimum)	1920 x 1080 @ 60 Hz
Sound (Output)	10W x 2
Dimensions (WxDxH) Body With stand	 40.9 x 3.1 x 25.1 (inch) / 1040.0 x 79.3 x 638.0 (mm) 40.9 x 10.0 x 27.4 (inch) / 1040.0 x 253.0 x 695.4 (mm)
Weight Without Stand With Stand	 31.4 lbs / 15.6 Kg 42.8 lbs / 19.4 Kg
Environmental Considerations Operating Temperature Operating Humidity Storage Temperature Storage Humidity	 10°C to 40°C (50°F to 104°F) 10% to 80%, non-condensing -20°C to 45°C (-4°F to 113°F) 5% to 95%, non-condensing
Stand Swivel (Left / Right)	-20˚ ~ 20˚

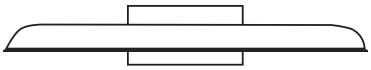
Model Name	LN46B640
Screen Size (Diagonal)	46 inches (46.0 inches measured diagonally)
PC Resolution (Optimum)	1920 x 1080 @ 60 Hz
Sound (Output)	10W x 2
Dimensions (WxDxH) Body With stand	 46.1 x 3.1 x 28.0 (inch) / 1172.0 x 79.3 x 711.5 (mm) 46.1 x 10.9 x 30.4 (inch) / 1172.0 x 277.0 x 771.4 (mm)
Weight Without Stand With Stand	 43.4 lbs / 19.7 Kg 53.8 lbs / 24.4 Kg
Environmental Considerations Operating Temperature Operating Humidity Storage Temperature Storage Humidity	 10°C to 40°C (50°F to 104°F) 10% to 80%, non-condensing -20°C to 45°C (-4°F to 113°F) 5% to 95%, non-condensing
Stand Swivel (Left / Right)	-20˚ ~ 20˚

Model Name	LN55B640
Screen Size (Diagonal)	55 inches (54.7 inches measured diagonally)
PC Resolution (Optimum)	1920 x 1080 @ 60 Hz
Sound (Output)	15W x 2
Dimensions (WxDxH) Body With stand	 53.7 x 3.3 x 32.4 (inch) / 1362.9 x 83.0 x 824.2 (mm) 53.7 x 12.1 x 34.8 (inch) / 1362.9 x 308.0 x 884.4 (mm)
Weight Without Stand With Stand	 65.2 lbs / 29.6 Kg 76.1 lbs / 34.5 Kg
Environmental Considerations Operating Temperature Operating Humidity Storage Temperature Storage Humidity	 10°C to 40°C (50°F to 104°F) 10% to 80%, non-condensing -20°C to 45°C (-4°F to 113°F) 5% to 95%, non-condensing
Stand Swivel (Left / Right)	-20˚ ~ 20˚

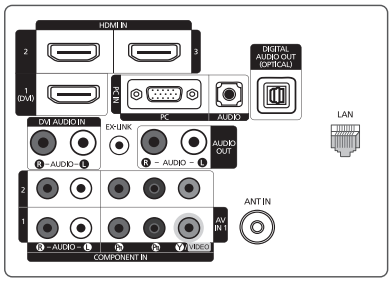
- Design and specifications are subject to change without prior notice.
- This device is a Class B digital apparatus.
- For the power supply and Power Consumption, refer to the label attached to the product.

Dimensions

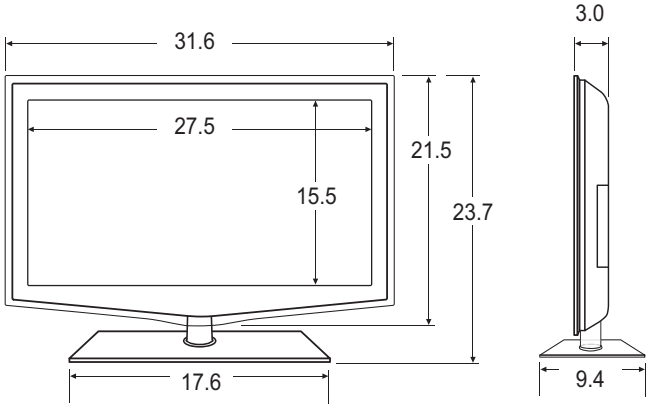
LN32B650



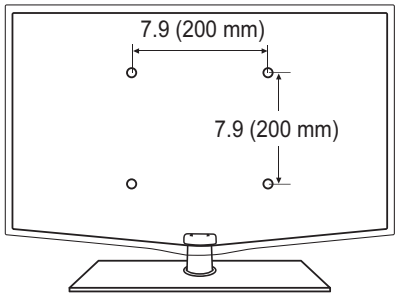
TOP VIEW



JACK PANEL DETAIL 5.2"H X 6.6"W



FRONT VIEW / SIDE VIEW



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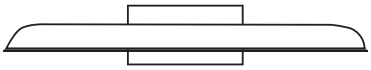
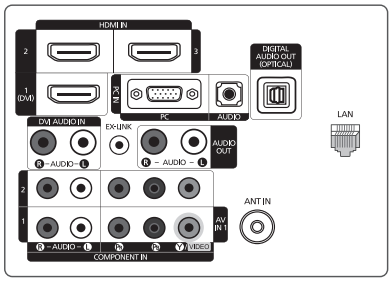


TOP VIEW



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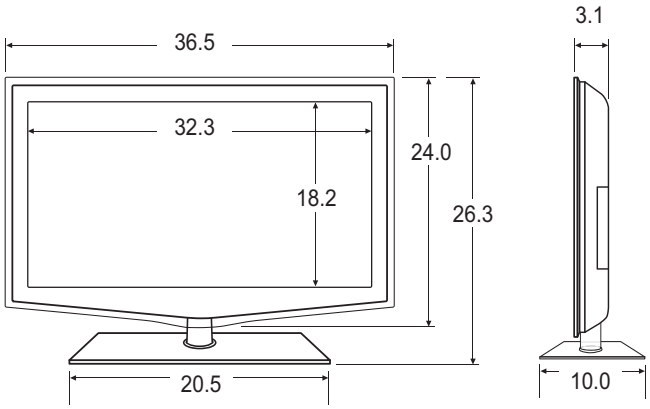

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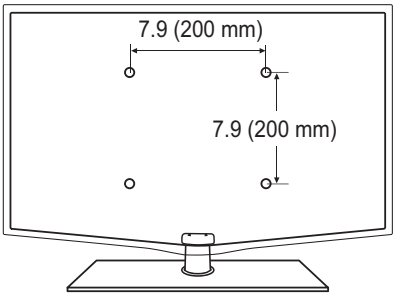

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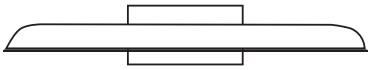

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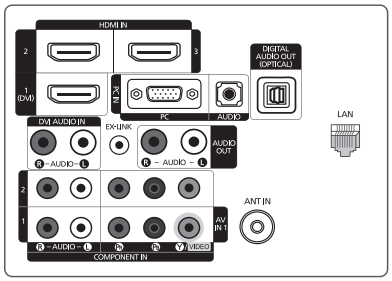

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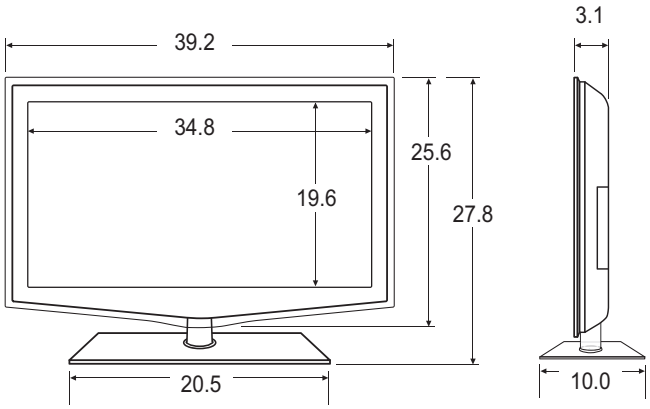
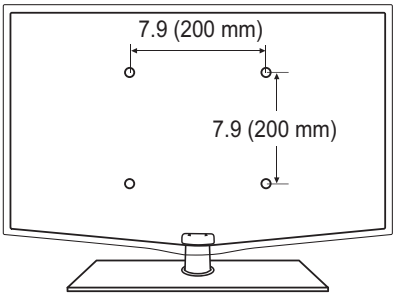


FRONT VIEW / SIDE VIEW



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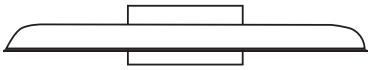

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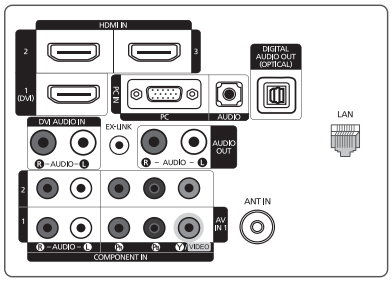

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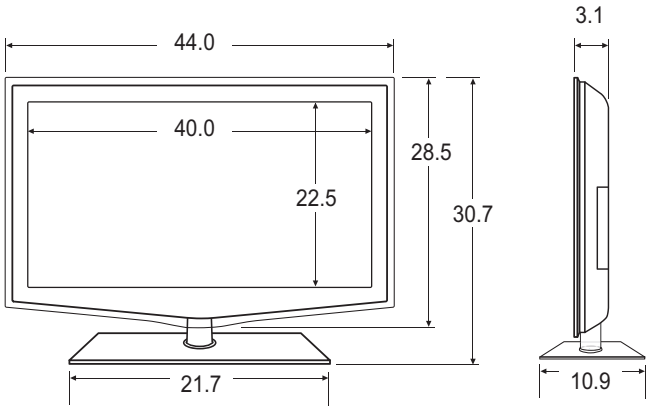

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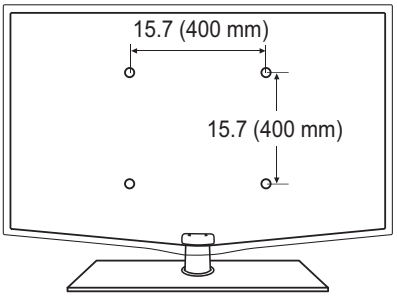

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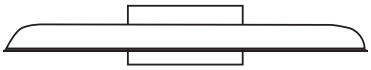

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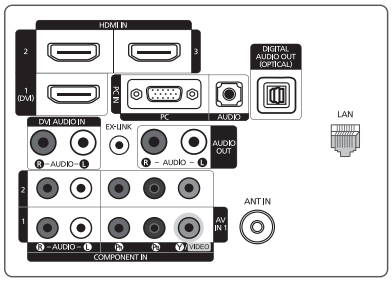

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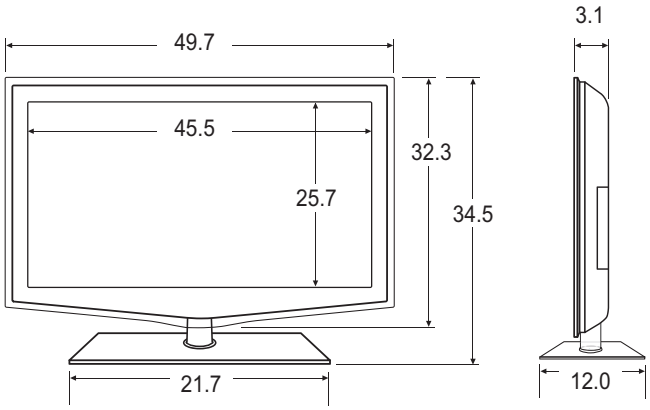

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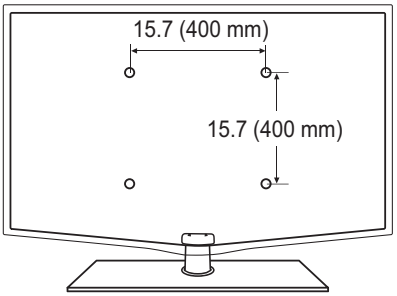

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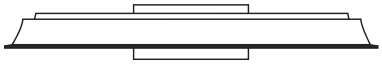

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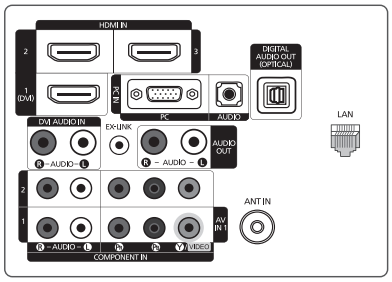

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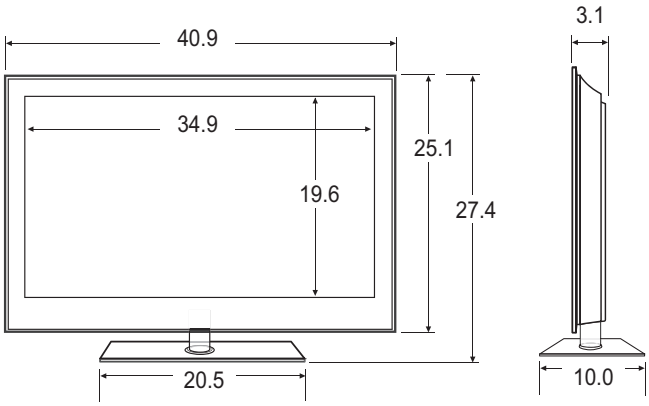

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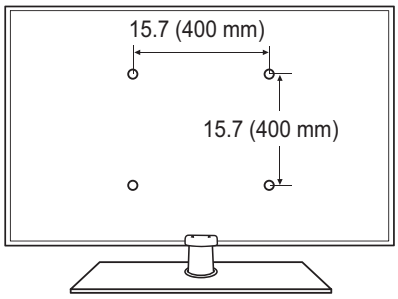

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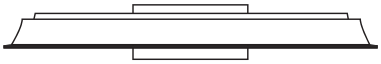

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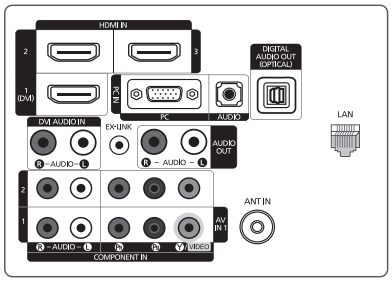

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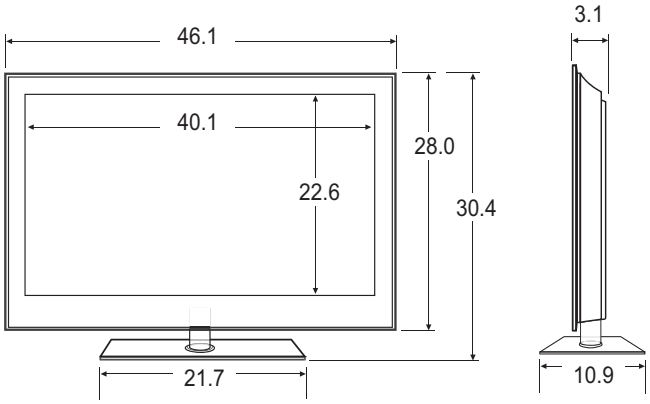

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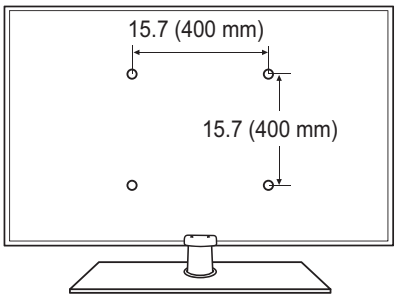

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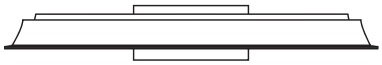

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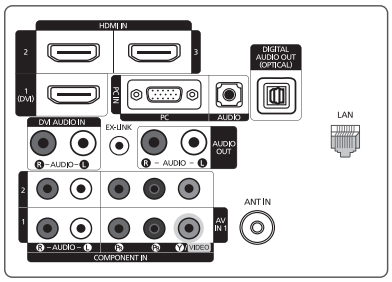

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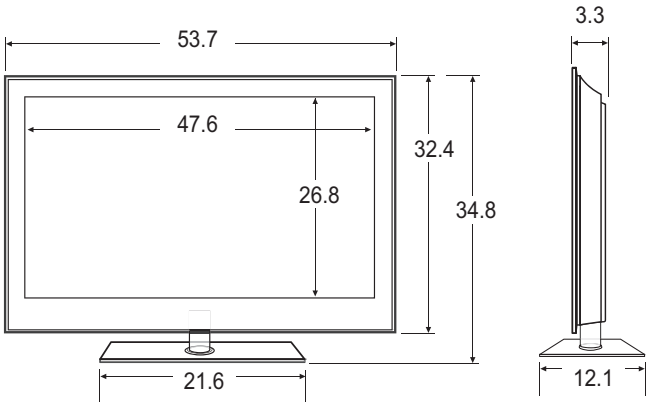
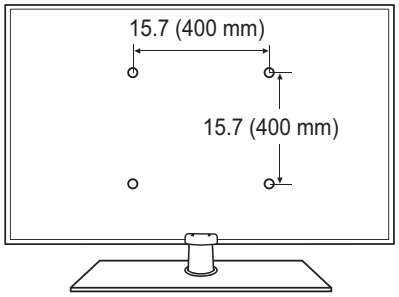


FRONT VIEW / SIDE VIEW



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Version 3, 29 June 2007

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Version 3, 29 June 2007

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Quick Setup Guide

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STOP
Please do not return this unit
If you are having problems operating this TV,
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Guía rápida de configuración

1-800-SAMSUNG (7267864)

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105 Challenger Road Ridgefield Park, NJ 07660-0511
Samsung Electronics Canada Inc., Servicio de atención al cliente
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STOP
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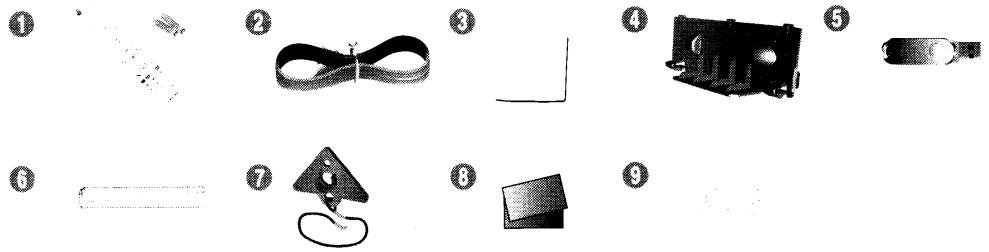
Accessories

SP Accesorios / FR Accessoires



1. EN Remote Control & Batteries (AAA x 2)
   SP Mando a distancia y 2 pilas AAA
   FR Télécommande et deux piles AAA
2. EN Power Cord
   SP Cable de alimentación
   FR Cordon d'alimentation
3. EN Cleaning Cloth
   SP Paño de limpieza
   FR Chiffon de nettoyage
4. EN Cover-Bottom
   SP Cubierta del agujero inferior
   FR Couvre base
5. EN USB (E-manual)
   SP USB (manual electrónico)
   FR USB (E-manual)
6. EN Holder-Wire Cable
   SP Soporte de cables
   FR Câble porte-fil
7. EN TV-Holder & Screw (M4xL16)
   SP Soporte del televisor y tornillos (M4xL16)
   FR Support pour téléviseur et vis (M4X16)
8. EN Warranty Card / Safety Guide
   SP Tarjeta de garantía / Guía de seguridad
   FR Carte de garantie / Guide de sécurité
9. EN Stand Screw (M4xL16) LN32B650: 8EA / LN37B650: 4EA
   SP Tornillo del soporte (M4xL16) LN32B650: 8EA / LN37B650: 4EA
   FR Vis de pied (M4xL16) LN32B650: 8EA / LN37B650: 4EA

BN68-01898D-00

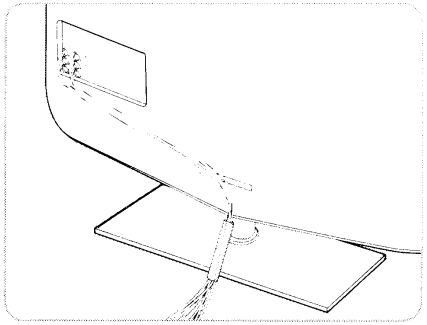
Assembling the Cables

SP Montaje de los cables / FR Assemblage des câbles

EN Enclose the cables in the Holder-Wire Cable so that the cables are not visible through the transparent stand.

SP Sujete los cables con el soporte de cables para que éstos no sean visibles a través del soporte transparente.

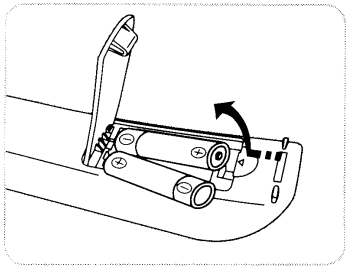
FR Faites passer les câbles dans le câble porte-fil pour ne pas les voir au travers du support transparent.



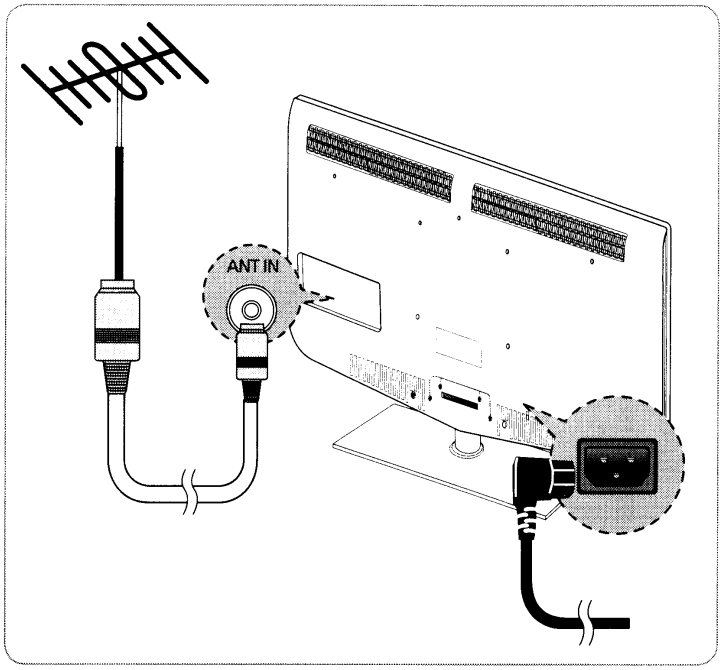
Installing Batteries in the Remote Control

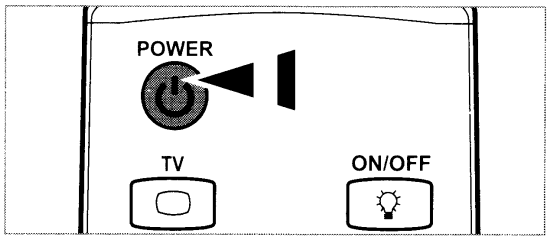
SP Instalación de las pilas en el mando a distancia

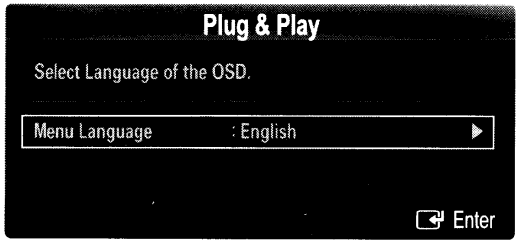
FR Insertion des piles dans la télécommande



Plug & Play







EN When the TV is initially powered on, basic settings proceed automatically and subsequently.

If you want to reset this feature. Press the **MENU** button to display the menu. You can set the Plug & Play by selecting 'Setup → Plug & Play'.

SP Cuando el televisor se enciende por primera vez, los valores se inician correlativamente de forma automática.

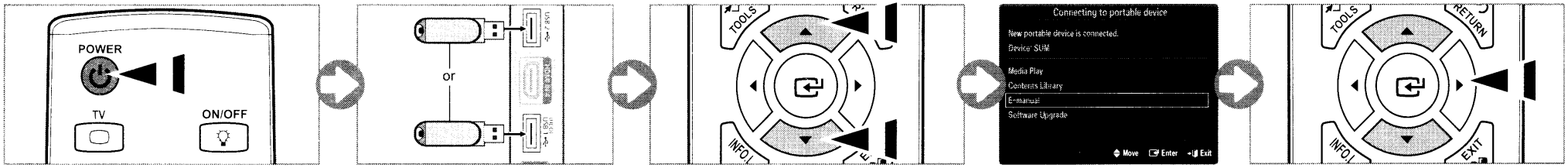
Si desea reiniciar esta función. Pulse el botón **MENU** para ver el menú en pantalla. Puede configurar la función Plug & Play seleccionando 'Configuración → Plug & Play'.

FR Au moment de la mise sous tension initiale du téléviseur, les paramètres de base sont automatiquement réglés. D'autres sont réglés en cours d'utilisation.

Si vous souhaitez réinitialiser ce paramètre. Appuyez sur la touche **MENU**. Vous pouvez configurer la fonction Plug & Play en sélectionnant 'Configuration → Prêt à l'empoli'.

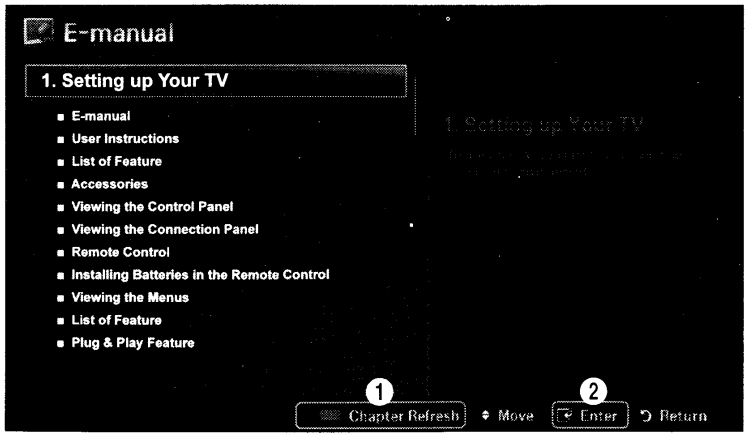
Installing the USB Memory Drive to view the e-manual

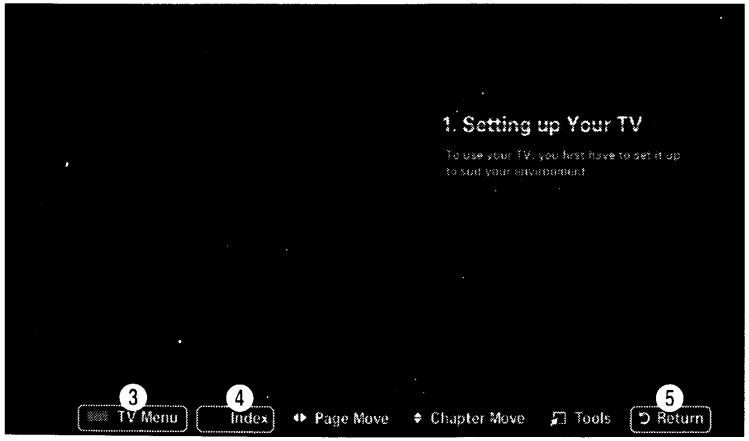
SP Instalación del dispositivo de memoria USB para ver el manual electrónico / FR Installation du dispositif à mémoire USB pour afficher la version électronique du manuel



Screen Display

SP Pantalla de visualización / FR Affichage à l'écran





EN

1. Refresh the chapter window
2. Move to selected menu.
3. Move to TV OSD menu.
4. Use the index menu.
5. View the E-manual.

SP

1. Actualice la ventana del capítulo.
2. Vaya al menú seleccionado.
3. Vaya al menú OSD del televisor.
4. Utilice el menú del índice.
5. Vea el manual electrónico.

FR

1. Actualiser la fenêtre du chapitre.
2. Passer au menu sélectionné.
3. Passer au menu TV OSD.
4. Afficher l'index du menu.
5. Afficher le E-manual.

Troubleshooting the USB device

SP Solución de problemas del dispositivo USB

FR Troubleshooting the USB device

	Problem	Solution
EN	When the e-manual does not operate quickly	Check the USB connection status on TV.
	When you lose the USB,	Contact your local dealer
	When the manual on the USB is deleted,	Connect to www.samsung.com
SP	Si el manual electrónico no funciona rápidamente	Compruebe el estado de la conexión del televisor
	Si no encuentra el USB	Póngase en contacto con el distribuidor local
	Si se ha borrado el manual del USB	Vaya a www.samsung.com
FR	Si le manuel électronique est lent,	vérifiez l'état du branchement USB sur le téléviseur.
	Si vous perdez votre clé USB,	communiquez avec votre détaillant.
	Si le manuel est supprimé de la clé USB,	visitez www.samsung.com.

Viewing the Menus

SP Visualización de los menús / FR Affichage des menus

EN Press the **MENU** button. The main menu appears on the screen. The menu's left side has icons: Picture, Sound, Channel , Setup, Input, Application, Support

SP Pulse el botón **MENU**. Se muestra el menú principal en la pantalla. En el lado izquierdo del menú hay los iconos: Imagen, Sonido, Canal , Configuración, Entrada, Aplicaciones, Soporte técnico

FR Appuyez sur la touche **MENU**. Le menu principal s'affiche à l'écran. La partie gauche du menu comprend des icônes: Image, Son, Chaîne , Configuration, Entrée, Application, Support technique

❑ Using the remote control buttons

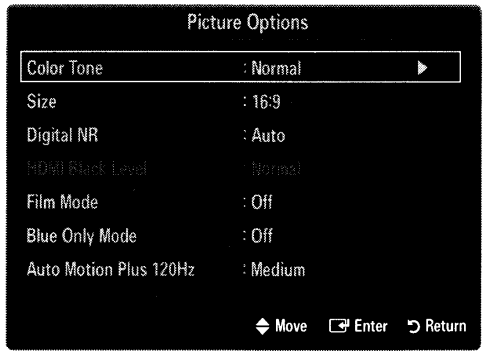
SP Uso de los botones del mando a distancia

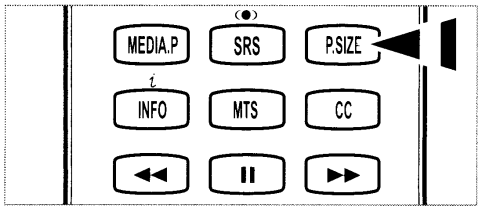
FR Les touches de la télécommande

	Button	Operations
EN	**MENU**	Display the main on-screen menu.
	RETURN	Return to the previous menu.
	EXIT	Exit the on-screen menu.
	▲/▼/◄/►/ ENTER ↵	Move the cursor and select an item. Select the currently selected item. Confirm the setting.
SP	**MENU**	Mostrar el menú de pantalla principal.
	RETURN	Volver al menú anterior.
	EXIT	Salir del menú en pantalla.
	▲/▼/◄/►/ ENTER ↵	Mover el cursor y seleccionar una opción. Seleccionar la opción marcada. Confirmar la configuración.
FR	**MENU**	Affiche le menu à l'écran principal.
	RETURN	Permet de retourner au menu précédent.
	EXIT	Quitte le menu de l'écran.
	▲/▼/◄/►/ ENTER ↵	Permet de déplacer le curseur et de choisir un élément. Permet de sélectionner l'élément en surbrillance. Confirme le réglage.

Setting the Screen Size

SP Configuración del tamaño de la pantalla / FR Configuration du format de l'écran





EN If you want to change the size of the image on your screen. Press the **MENU** button to display menu. You can set the picture size by selecting 'Picture → Picture Options → Size'. And press the ▲ or ▼ button to select the screen format you want.
(16:9 / Zoom1 / Zoom2 / Wide Fit / 4:3 / Screen Fit)

Alternately, you can press the **P.SIZE** button on the remote control repeatedly to change the picture size.

SP Si desea cambiar el tamaño de la imagen en la pantalla. Pulse el botón **MENU** para visualizar el menú. También se puede configurar el modo de la imagen seleccionando 'Imagen → Opciones de imagen → Tamaño'. Pulse los botones ▲ o ▼ para seleccionar el formato de pantalla que desee.
(16:9 / Zoom1 / Zoom2 / Ajuste ancho / 4:3 / Ajuste pantalla)

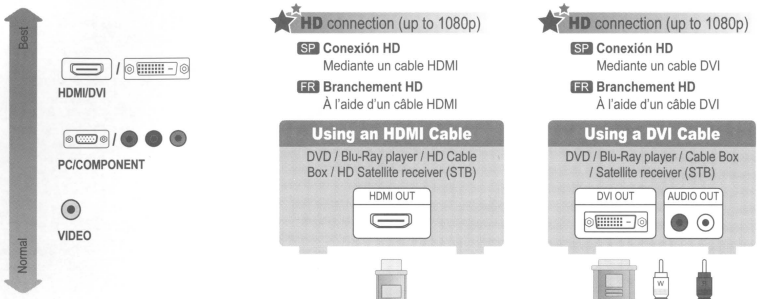
También se puede pulsar varias veces el botón **P.SIZE** del mando a distancia para cambiar el tamaño de la imagen.

FR Si vous désirez modifier le format de l'image à l'écran, appuyez sur la touche **MENU**. Le menu s'affiche. Vous pouvez choisir le format de l'image en sélectionnant 'Image → Options d'image → Format'. Appuyez ensuite sur les touches ▲ ou ▼ pour sélectionner le format d'écran désiré.
(16:9 / Zoom1 / Zoom2 / Format large / 4:3 / Plein écran)

Vous pouvez également appuyer plusieurs fois sur la touche **P.SIZE** de la télécommande pour changer le format de l'image.

Connecting an AV device

SP Conexión de un dispositivo de AV / FR Branchement d'un appareil AV



HD connection (up to 1080p)

SP **Conexión HD**
Mediante un cable HDMI

FR **Branchement HD**
À l'aide d'un câble HDMI

Using an HDMI Cable

DVD / Blu-Ray player / HD Cable Box / HD Satellite receiver (STB)

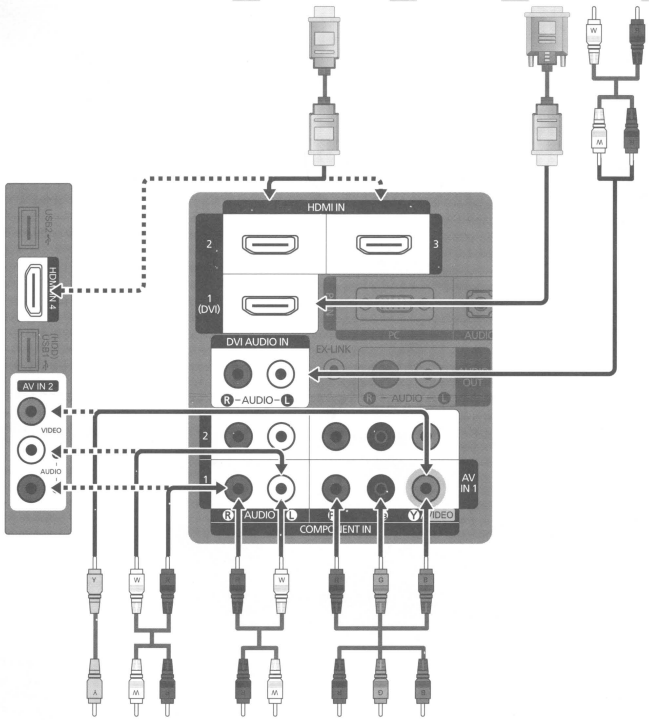
HD connection (up to 1080p)

SP **Conexión HD**
Mediante un cable DVI

FR **Branchement HD**
À l'aide d'un câble DVI

Using a DVI Cable

DVD / Blu-Ray player / Cable Box / Satellite receiver (STB)



Audio/Video connection (480i only)

SP **Conexión audio/vídeo**
Mediante el cable de audio o vídeo

FR **Branchement audio/vidéo**
À l'aide d'un câble audio/vidéo

Using an Audio/Video Cable

VCR

Component connection (up to 1080p)

SP **Conexión de componentes**
Mediante un cable de componentes

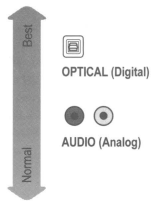
FR **Branchement d'une composante**
À l'aide d'un câble de composante

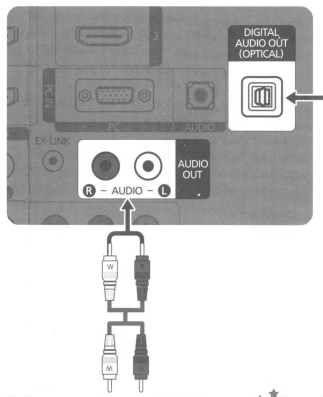
Using a Component Cable

DVD / Blu-Ray player / Cable Box / Satellite receiver

Connecting an audio device

SP Conexión de un dispositivo de audio / FR Branchement d'un appareil audio





Analog Audio connection

SP **Conexión de audio analógico**
Mediante un cable de audio

FR **Branchement audio analogique**
À l'aide d'un câble audio

Using an Audio Cable

Amplifier / DVD Home Theater

Digital Audio connection

SP **Conexión de audio digital**
Mediante un cable óptico

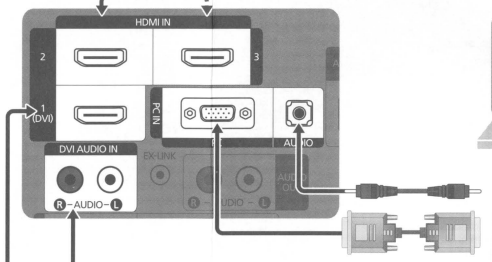
FR **Branchement audionumérique**
À l'aide d'un câble optique

Using an Optical Cable

Digital Audio System

Connecting a PC

SP Conexión a un PC / FR Branchement d'un ordinateur



HD connection

SP **Conexión HD**
Mediante un cable HDMI

FR **Branchement HD**
À l'aide d'un câble HDMI

Using an HDMI Cable

SP Mediante un cable D-Sub

FR À l'aide d'un câble secondaire D

Using a D-Sub Cable

HD connection

SP **Conexión HD**
Mediante un cable HDMI/DVI

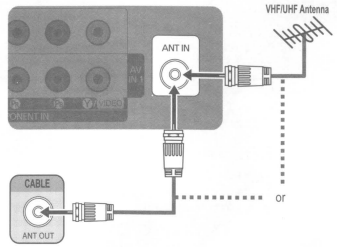
FR **Branchement HD**
À l'aide d'un câble HDMI/DVI

Using an HDMI/DVI Cable

Connecting an Antenna

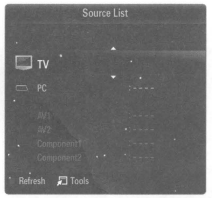
SP Conexión de una antena / FR Branchement d'une antenne

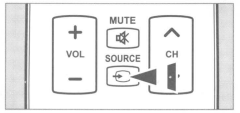
EN For various connections, refer to E-manual
SP Para diferentes tipos de conexiones, consulte el manual electrónico
FR Pour les différents branchements possibles, consultez l'E-manual



To Select the Source

SP Para seleccionar la fuente / FR Pour choisir la source





EN Press the **SOURCE** button on the Remote Control
You can select the TV mode or an input source connected to the TV set. Use this button to choose an input source that you would like to watch.
TV / AV1 / AV2 / Component1 / Component2 / PC / HDMI1/DVI / HDMI2 / HDMI3 / HDMI4

SP Pulse el botón **SOURCE** del mando a distancia
Puede seleccionar el modo TV o la fuente de entrada conectada al equipo TV.
Utilice este botón para elegir la fuente de entrada que desee ver.
TV / AV1 / AV2 / Componente1 / Componente2 / PC / HDMI1/DVI / HDMI2 / HDMI3 / HDMI4

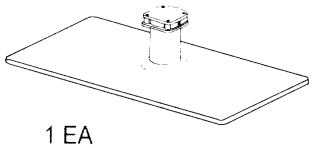
FR Appuyez sur la touche **SOURCE** de la télécommande.
Vous pouvez sélectionner le mode TV ou une source d'entrée branchée au téléviseur.
Choisissez la source d'entrée désirée à l'aide de cette touche.
TV / AV1 / AV2 / Composante1 / Composante2 / PC / HDMI1/DVI / HDMI2 / HDMI3 / HDMI4

Assemble Stand before removing LCD TV from shipping box

Installing the LCD TV Stand

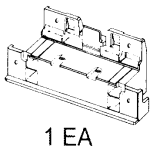
Components

When installing the stand, use the provided components and parts.



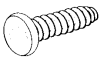
1 EA

Stand

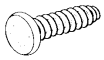


1 EA

Guide Stand



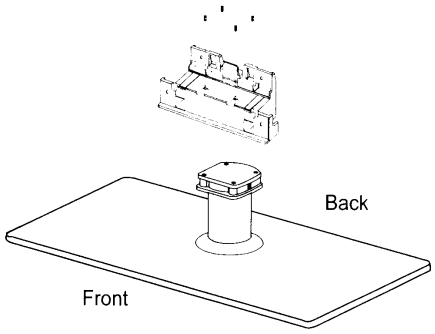
ⓐ Screws: 4 EA
(only 32 inch models)



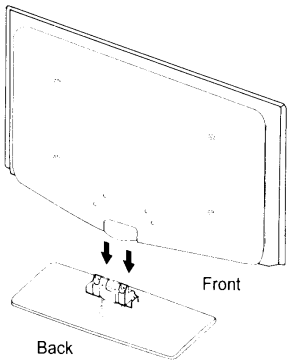
ⓑ Screws: 4 EA

Screws

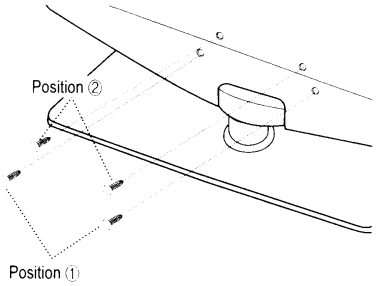
1 Connect the guide stand onto the stand using the ⓐ screws, as shown in the figure.
(Applicable to models 32inch only.)



2 Connect your LCD TV and the stand.

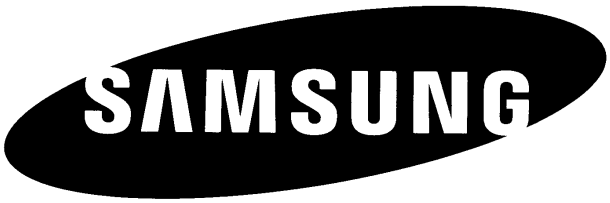


3 Fasten two ⓑ screws at position ① and then fasten two ⓑ screws at position ②.



Caution

- Make sure to distinguish between the front and back of each component when assembling them.
- Make sure that at least two persons lift and move the LCD TV.
- Stand the product up and fasten the screws.
  If you fasten the screws with the LCD TV placed down, it may lean to one side.



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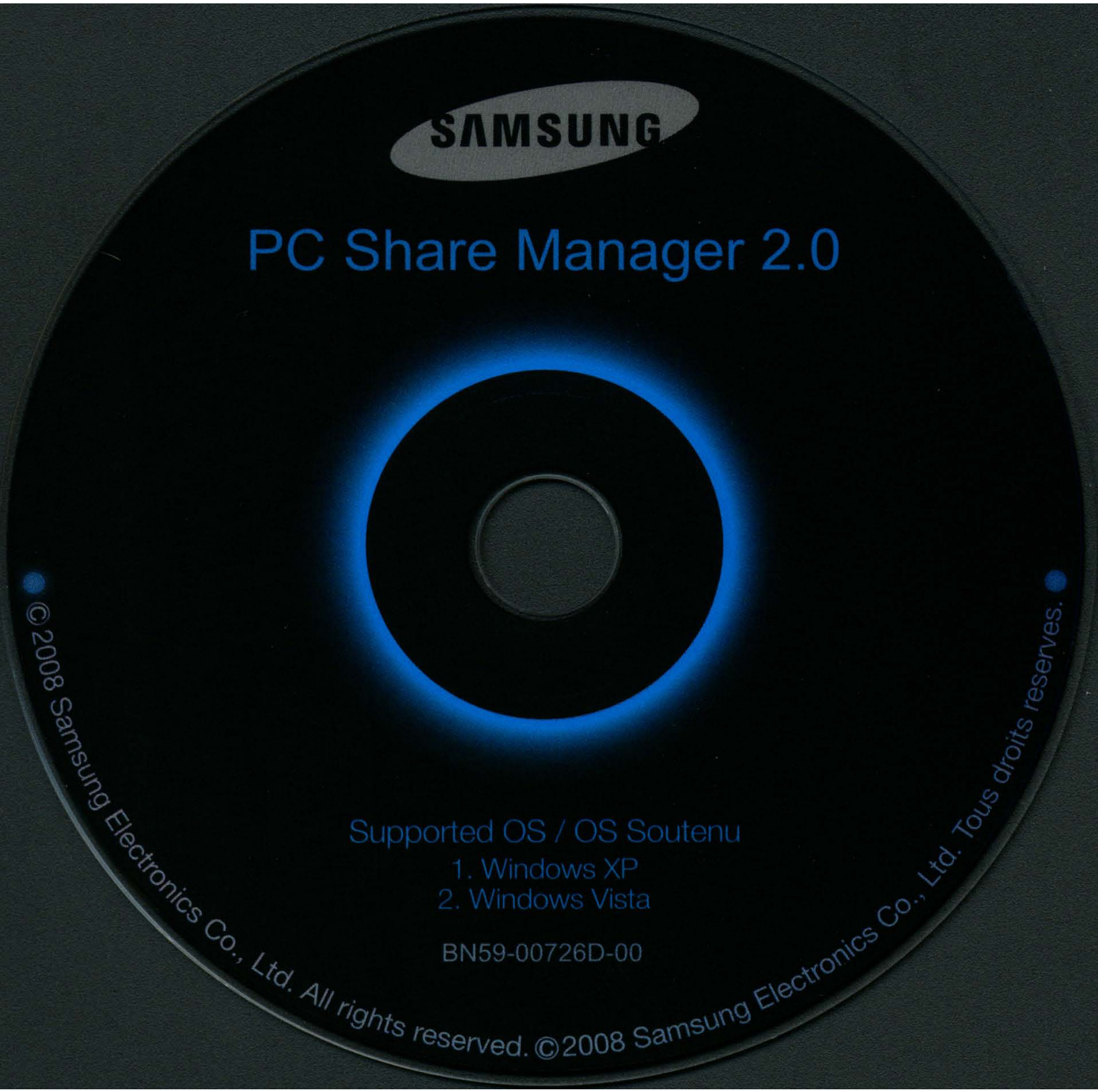
SAMSUNG
PC Share Manager 2.0
Supported OS / OS Soutenu
1. Windows XP
2. Windows Vista
BN59-00726D-00
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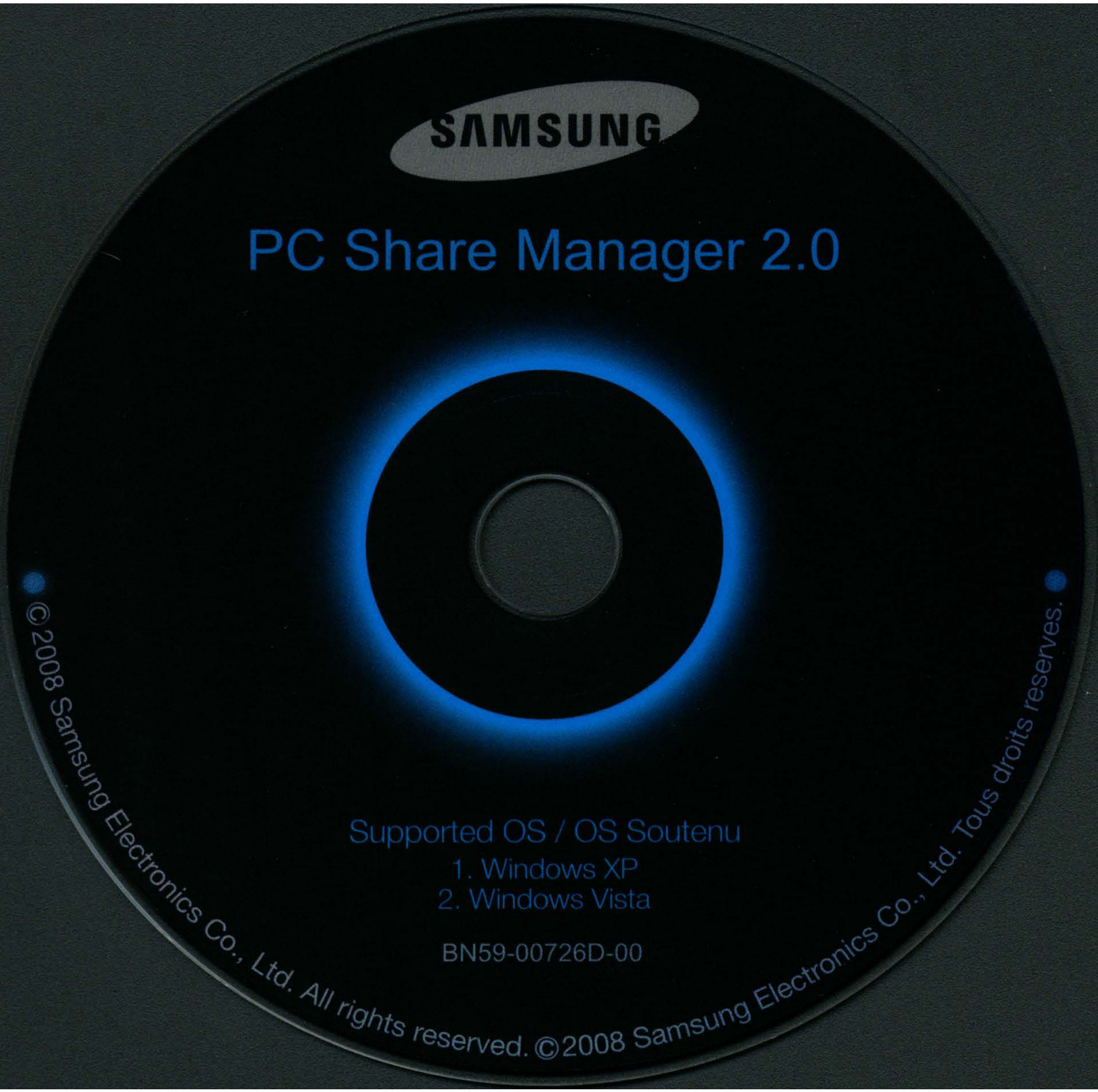
SAMSUNG
PC Share Manager 2.0
Supported OS / OS Soutenu
1. Windows XP
2. Windows Vista
BN59-00726D-00
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SAMSUNG

Warning! Important Safety Instructions

(Please read the appropriate section that corresponds to the marking on your Samsung product before attempting to install the product.)

CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). THERE ARE NO USER SERVICEABLE PARTS INSIDE. REFER ALL SERVICING TO QUALIFIED PERSONNEL.

This symbol indicates that high voltage is present inside. It is dangerous to make any kind of contact with any internal part of this product.

This symbol alerts you that important literature concerning operation and maintenance has been included with this product.

- The slots and openings in the cabinet and in the back or bottom are provided for necessary ventilation. To ensure reliable operation of this apparatus, and to protect it from overheating, these slots and openings must never be blocked or covered.
  - Do not cover the slots and openings with a cloth or other materials.
  - Do not block the slots and openings by placing this apparatus on a bed, sofa, rug or other similar surface.
  - Do not place this apparatus in a confined space, such as a bookcase, or built-in cabinet, unless proper ventilation is provided.
  - Install the product keeping the specified distance from the wall (see the information below.)
    * DLP TVs, Direct View Type TVs, and Projectors → 10cm
    * Products with 32" or larger display s → 5cm
    * Other products → 4cm
- Do not place this apparatus near or over a radiator or heat resistor, or where it is exposed to direct sunlight.
- Do not place a water containing vessel (vases etc.) on this apparatus, as this can result in a risk of fire or electric shock.
- Do not expose this apparatus to rain or place it near water(near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool etc.). If this appratus accidentally gets wet, unplug it and contact an authorized dealer immediately. Make sure to pull out the power cord from the outlet before cleaning.
- This appratus use batteries. In your community there might be regulations that require you to dispose of these batteries properly under environmental considerations. Please contact your local authorities for disposal or recycling information.
- Do not overload wall outlets, extension cords or adaptors beyond their capacity, since this can result in fire or electric shock.
- Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plug end, adaptors and the point where they exit from the appliance.
- To protect this apparatus from a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the set due to lightning and power line surges.
- Before connecting the AC power cord to the DC adaptor outlet, make sure the voltage designation of the DC adaptor corrsponds to the local electrical supply.
- Never insert anything metallic into the open parts of this apparatus. Doing so many create a danger of electric shock.
- To avoid electric shock, never touch the inside of this apparatus. Only a qualified technician should open this apparatus.
- Make sure to plug the power cord in until it is firmly inserted. When removing the power cord, make sure to hold the power plug when pulling the plug from the outlet. Do not touch the power cord with wet hands.
- If this appratus does not operate normally - in particular, if there are any unusual sounds or smells coming from it - unplug it immediately and contact an authorized dealer or service center.
- Be sure to pull the power plug out of the outlet if the TV is to remain unused or if you are to leave the house for an extended period of time (especially when children, elderly or disabled people will be left alone in the house).
  - Accumulated dust can cause an electric shock, an electric leakage or a fire by causing the power cord to generate sparks and heat or the insulation to deteriorate.
- Be sure to contact an authorized service center, when installing your set in a location with heavy dust, high or low temperatures, high humidity, chemical substances and where it operates for 24 hours such as the airport, the train station etc. Failure to do so may cause serious damage to your set.
- Use only a properly grounded plug and receptacle.
  - An improper ground may cause electric shock or equipment damage. (Class I Equipment only.)
- To disconnect the apparatus from the mains, the plug must be pulled out from the mains socket, therefore the mains plug shall be readily operable.
- Do not allow children to hang onto the product.
- Store the accessories (battery, etc.) in a location safely out of the reach of children.
- Do not install the product in an unstable location such as a shaky self, a slanted floor or a location exposed to vibration.
- Do not drop or impart any shock to the product. If the product is damaged, disconnect the power cord and contact a service center.
- Unplug the power cord from the power outlet and wipe the product using a soft, dry cloth. Do not use any chemicals such as wax, benzene, alcohol, thinners, insecticide, air freshener, lubricant or detergent. This may damage the appearance or erase the printing on the product.
- Apparatus shall not be exposed to dripping or splashing.
- Do not dispose of batteries in a fire.
- Do not short circuit, disassemble or overheat the batteries.
- Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.
- **WARNING - TO PREVENT THE SPREAD OF FIRE, KEEP CANDLES OR OTHER OPEN FLAMES AWAY FROM THIS PRODUCT AT ALL TIMES.**

Avertissement! Consignes de sécurité importantes

(Avant toute installation de votre prod uit Samsung,
veuillez lire les sections correspondant aux inscriptions qui figurent sur ce de rnier.)

ATTENTION

RISQUE D'ELECTROCUTION NE PAS OUVRIR

ATTENTION: POUR REDUIRE LES RISQUES D'ELECTROCUTION, NE RETIREZ PAS LE CAPOT (NI LE PANNEAU ARRIERE). A L'INTERIEUR DE L'APPAREIL. AUCUNE PIECE NE PEUT ETRE REPAREE PAR L'UTILISATEUR. POUR TOUT DEPANNAGE, ADRESSEZ-VOUS A UN SPECIALISTE.

Ce symbole indique qu'une tension élevée est présente à l'intérieur de l'appareil. Tout contact avec une pièce située à l'intérieur de cet appareil est dangereux.

Ce symbole vous prévient qu'une documentation importante relative au fonctionnement et à l'entretien est fournie avec le produit.

- Les fentes et les ouvertures ménagées dans le boîtier ainsi qu'à l'arrière et au-dessous de l'appareil assurent la ventilation de ce dernier. Afin de garantir le bon fonctionnement de l'appareil et éviter les risques de surchauffe, ces fentes et ouvertures ne doivent être ni obstruées ni couvertes.
  - Ne couvrez pas les fentes et les ouvertures avec un morceau de tissu ou tout autre objet.
  - Ne les obstruez pas non plus en plaçant l'appareil sur un lit, un canapé, un tapis ou toute autre surface apparentée.
  - Ne placez pas l'appareil dans un environnement clos tel qu'une bibliothèque ou une armoire encastrée, sauf si une ventilation adéquate est prévue.
  - Installez le produit en maintenant une distance correcte avec le mur (voir informations ci-dessous).
    * Téléviseurs DLP, téléviseurs de type Direct View et projecteurs → 10 cm
    * Appareils dotés d'un écran 32" ou plus → 5 cm
    * Autres produits → 4 cm
- Ne placez pas l'appareil à proximité ou au-dessus d'un radiateur ou d'une bouche d'air chaud, de même que dans un endroit exposé à la lumière directe du soleil.
- Ne placez aucun récipient (vases etc.) d'eau sur l'appareil car cela représente un risque d'incendie ou de décharge électrique.
- N'exposez pas l'appareil à la pluie et ne le placez pas à proximité d'une source d'eau, par exemple une baignoire, un lavabo, un évier, un bac de lavage, un sous-sol humide, une piscine, etc. Si l'app areil vient à être mouillé par accident, débranchez-le et contactez immédiatement un revendeur agréé. Assurez-vous que le cordon d'alimentation est débranché avant de nettoyer le produit.
- Cet appareil peut fonctionner sur piles. Dans un souci de préservation de l'environnement, la réglementation locale prévoit peut-être des mesures spécifiques de récupération des piles usagées.Veuillez donc contacter les autorités compétentes afin d'obtenir des informations sur la mise au rebut ou le recyclage des piles.
- Evitez de surcharger les prises murales, les rallonges et les prises mult iples car cela entraîne un risque d'incendie ou de décharge électrique.
- Les cordons d'alimentation doivent être déroulés de sorte qu'aucun objet placé sur ou contre eux ne les chevauche ou les pince. Accordez une attention particulière aux cordons au niveau des fiches, des prises et de la sortie de l'appareil.
- En cas d'orage, ou bien lorsque vous vous absentez ou n'utilisez pas votre appareil pendant une longue période, débranchez celui-ci de la prise murale et débranchez également le câble d'antenne ou le cordon de connexion au réseau câblé. Ces précautions éviteront que l'appareil ne soit endommagé par la foudre ou par des surtensions.
- Avant de raccorder le cordon d'alimentation CA à la prise de l'adaptateur CC, vérifiez que la tension indiquée sur ce dernier correspond bien à la tension délivrée par le réseau électrique local.
- N'insérez aucun objet métallique dans les ouvertures de l'appareil. vous risqueriez de recevoir une décharge électrique.
- Afin d'éviter tout risque d'électrocution, ne mettez jamais les doigts à l'intérieur de l'appareil. Seul un technicien qualifié est habilité à ouvrir le boîtier de l'appareil.
- Assurez-vous de bien brancher le cordon d'alimentation. Assurez-vous de bien tenir la prise en main lorsque vous la débranchez. Ne touchez en aucune circonstance le cordon d'alimentation avec les mains mouillées.
- Si l'appareil ne fonction ne pas normalement, en particulier s'il émet des odeurs oudes sons anormaux, débranchez-le immédiatement et contactez un revendeur ou un centre de dépannage agréé.
- Veillez à bien débrancher le cordon d'alimentation si la télévision doit restée inutilisée, ou lorsque vous quittez votre domicile, pendant une période assez longue (et plus spécialement si des enfants, des personnes âgées ou des majeurs incapables doivent rester seul à votre domicile).
  - L'accumulation de poussières peut provoquer une électrocution, une perte d'énergie, ou un incendie induit par le cordon d'alimentation, dû à des variations de tension, une surchauffe ou une détérioration de l'isolation.
- Veillez à contacter un centre de services homologué lorsque vous installez votre téléviseur dans un endroit très poussiéreux, humide, exposé à des températures élevées ou faibles ou à des produits chimiques, ou s'il fonctionne sans interruption, par exemple dans les aéroports, les gares, etc. Si vous ne le faites pas, vous risquez d'endommager gravement votre téléviseur.
- Utiliser uniquement des prises correctement reliées à la terre.
  - Un sol inadapté peut causer un choc électrique ou un incendie. (Appareils de CLASSE I uniquement.)
- Pour déconnecter l'appareil du secteur, la prise doit être débranchée de la prise électrique du secteur. Par conséquent, la prise du secteur doit être en état de marche.
- Utiliser uniquement des prises correctement reliées à la terre.
- Rangez les accessoires (batterie, etc.) dans un endroit sûr, hors de la portée des enfants.
- N'installez pas le produit sur une surface instable telle qu'une étagère chancelante, un sol non horizontal ou un endroit soumis à des vibrations.
- Ne faites ni tomber, ni subir de choc au produit. Si le produit est endommagé, déconnectez le cordon d'alimentation et contactez un centre de services.
- Débranchez le cordon d'alimentation de la prise secteur et essuyez le produit à l'aide d'un chiffon doux et sec. N'utilisez pas de produit chimique, tels que de la cire, du benzène, de l'alcool, du diluant, de l'insecticide, du désodorisant, du lubrifiant ou du détergent. Cela peut endommager l'aspect ou effacer l'impression sur l'appareil.
- L'appareil ne doit pas être exposé à l'humidité ni aux éclaboussures.
- Ne jetez pas les batteries au feu.
- Ne court-circuitez pas ni ne désassemblez les batteries et ne les soumettez pas à une chaleur excessive.
- Un risque d'explosion survient si la batterie est replacée de manière incorrecte. Ne la remplacez qu'avec une batterie du même type.
- **AVERTISSEMENT - POUR ÉVITER TOUT RISQUE D'INCENDIE, VEILLEZ À GARDER CE PRODUIT LOIN DE BOUGIES OU D'AUTRES SOURCES DE FEU.**

Advertencia! Instrucciones importantes de seguridad

(Lea la sección apropiada que corresponde a la
marca del producto Samsung antes de intentar instalar el producto.)

PRECAUCIÓN

PELIGRO DE DESCARGA ELÉCTRICA NO ABRIR

PRECAUCIÓN: PARA REDUCIR EL PELIGRO DE DESCARGA ELÉCTRICA, NO RETIRE LA CUBIERTA. NO HAY PIEZAS EN EL INTERIOR QUE PUEDA REPARAR EL USUARIO. CONSULTE AL PERSONAL CALIFICADO DE SERVICIO TÉCNICO.

Este símbolo indica la presencia de alto voltaje en el interior. Es peligroso entrar en contacto con cualquier pieza interior de este producto.

Este símbolo le alerta de que con este producto se incluye documentación importante correspondiente al funcionamiento y mantenimiento.

- Las ranuras y aberturas existentes en la unidad y en la parte trasera o inferior se facilitan para proporcionar la ventilación necesaria. Para garantizar el funcionamiento fiable de este aparato, y para protegerlo frente a sobrecalentamiento, estas ranuras y aberturas nunca deben bloquearse ni cubrirse.
  - No cubra las ranuras y aberturas con un paño o con cualquier otro material.
  - No bloquee las ranuras ni aberturas colocando este aparato sobre la cama, sofá, alfombra o superficie similar.
  - No coloque este aparato en un espacio cerrado, como una librería, o un armario empotrado, a menos que se proporcione una ventilación correcta.
  - Instale el producto conservando la distancia especificada respecto a la pared (vea la información siguiente).
    * Televisores DLP, televisores tipo visualización directa y proyectores → 10 cm
    * Aparatos con una pantalla de 32" o mayor → 5 cm
    * Otros productos → 4 cm
- No coloque este aparato cerca o sobre un radiador o una rejilla de aire caliente, o en lugares expuestos a luz solar directa.
- No coloque recipientes con agua sobre este aparato (jarros, etc.), ya que podría representar riesgo de incendio o descarga eléctrica.
- No exponga este aparato a la lluvia ni lo coloque cerca de agua (cerca de una bañera, lavabo, fregadero o lavadero, en un sótano húmedo ni cerca de una piscina o similar). Si este aparato accidentalmente se moja, desenchúfelo y póngase en contacto inmediatamente con un técnico autorizado. Antes de limpiar el producto desconecte el cable de alimentación de la toma de corriente.
- Este aparato utiliza baterías. En su comunidad puede que existan normativas que requieran la disposición de estas baterías de forma adecuada bajo consideraciones ambientales. Póngase en contacto con las autoridades locales para obtener información sobre desecho y reciclaje.
- No sobrecargue las tomas murales, los alargadores ni los receptáculos correspondientes por encima de su capacidad, ya que esto puede generar incendios o descargas eléctricas.
- Los cables de alimentación y protección deben colocarse de forma que no puedan pisarse ni quedar atrapados por objetos encima o contra ellos, poniendo especial atención en los cables cerca del enchufe, los receptáculos de los electrodomésticos y el punto en el que salen del aparato.
- Para proteger este aparato durante una tormenta eléctrica o cuando no lo utilice durante largos periodos de tiempo, desenchúfelo de la toma de la pared y desconecte la antena o el cable del sistema. Esto evitará que el equipo se dañe por rayos o picos de tensión de la línea eléctrica.
- Antes de conectar el cable de alimentación de CA a la toma del adaptador de CC, asegúrese de que la designación del voltaje del adaptador de CC corresponde a la fuente eléctrica local.
- Nunca inserte nada metálico en las aberturas del aparato. Hacerlo así puede crear peligros de descarga eléctrica.
- Para evitar descarga eléctrica, no toque nunca el interior de este aparato. Sólo un técnico calificado debe abrir el alojamiento del aparato.
- Cuando conecte el cable de alimentación compruebe que el enchufe esté firmemente insertado. Para desenchufar el cable de alimentación, sujételo por el enchufe y tire de éste para sacarlo de la toma de corriente. Nunca toque el cable de alimentación con las manos mojadas.
- Si este aparato no funciona normalmente, en concreto, si emite sonidos extraños o desprende olores desde el interior, desenchúfelo inmediatamente y póngase en contacto con el distribuidor autorizado o el centro de servicio técnico.
- Asegúrese de desconectar el enchufe de alimentación de la toma de corriente si la TV ha dejado de utilizarse, o desea salir de casa, durante un largo período de tiempo (especialmente cuando sea necesario dejar solos en casa a niños, ancianos o personas incapacitadas).
  - El polvo acumulado puede provocar una descarga eléctrica, un cortocircuito o un fuego, haciendo que el cable eléctrico genere chispas y calor, o deteriorando la funda protectora.
- Póngase en contacto con un centro de servicio técnico autorizado cuando instale el aparato en un lugar expuesto a gran cantidad de polvo, temperaturas extremas, alto nivel de humedad y productos químicos, y en lugares donde se vaya a utilizar las 24 horas del día, como aeropuertos, estaciones, etc. El incumplimiento de estas indicaciones puede causar serios desperfectos en el aparato.
- Cuando instale el equipo, procure guardar una distancia de más de 10 cm desde la pared para facilitar la ventilación.
- Use sólamente conectores y receptáculos apropiados para hacer la conexión a tierra.
  -Una conexión a tierra inapropiada podría causar una descarga eléctrica o una avería en el equipo. (Sólo equipo de Clase I.)
- Para desconectar el aparato de la corriente, debe desenchufar el cable de la toma principal, por lo que el enchufe principal debe estar siempre fácilmente accesible.
- No permita que los niños jueguen con el producto.
- Guarde los accesorios (pilas, etc.) en un lugar seguro fuera del alcance de los niños.
- No coloque el producto en un lugar inestable, inclinado o expuesto a vibraciones.
- No lo deje caer ni le dé golpes. Si el producto se estropea, desenchufe el cable de alimentación y póngase en contacto con un centro de servicio.
- Desconecte el cable de alimentación de la toma de corriente y seque el aparato con un paño suave y seco. No utilice ningún producto químico como cera, benzol, alcohol, disolventes, insecticida, ambientador de aire, lubricante o detergente. Se puede dañar el aspecto o borrar las estampaciones del producto.
- Evite que cualquier líquido salpique el aparato o gotee sobre él.
- No tire las pilas al fuego.
- No cortocircuite, desmonte ni sobrecaliente las pilas.
- Si la pila no se coloca correctamente se corre el riesgo de una explosión. Reemplace la pila sólo por una igual o de especificaciones equivalentes.
- **ADVERTENCIA - PARA IMPEDIR QUE EL FUEGO SE PROPAGUE, MANTENGA LAS VELAS U OTRAS LLAMAS EXPUESTAS SIEMPRE ALEJADAS DE ESTE PRODUCTO.**

Aviso! Instruções de segurança importantes

(Leia a secção adequada que corresponde
à marca no produto Samsung antes de tentar instalar o produto.)

ATENÇÃO

RISCO DE CHOQUE ELECTRICO NÃO ABRA

CUIDADO: PARA REDUZIR O RISCO DE CHOQUE ELECTRICO, NÃO RETIRE A TAMPA (NEM A PARTE TRASEIRA). NO INTERIOR DO TELEVISOR NÃO EXISTEM PEÇAS QUE POSSAM SER REPARADAS PELO UTILIZADOR. A ASSISTÊNCIA SÓ PODE SER EFECTUADA POR TECNICOS QUALIFICADOS.

Este símbolo indica a existência de alta tensão no interior do televisor. É perigoso tocar em qualquer parte no interior do produto.

Este símbolo informa-o de que este produto inclui literaturaimportante sobre o respectivo funcionamento e manutenção.

- As ranhuras e aberturas na caixa e na parte posterior ou inferior permitem a ventilação necessária. Para garantir o funcionamento correcto do aparelho e para o proteger do sobreaquecimento, nunca deve bloquear ou tapar estas ranhuras e aberturas.
  - Não tape as ranhuras e aberturas com panos ou outros materiais.
  - Não bloqueie as ranhuras e aberturas colocando o aparelho numa cama, sofá, tapete ou outra superfície semelhante.
  - Não coloque este aparelho num espaço fechado, como uma estante ou um armário embutido, a menos que tenha ventilação adequada.
  - Instale o produto, mantendo a distância da parede especificada (consulte as informações abaixo.)
    * Televisores DLP, Televisores do Tipo Direct View e Projectores → 10 cm
    * Produtos com visores de 32 polegadas ou maiores → 5 cm
    * Outros produtos → 4 cm
- Não coloque este aparelho perto ou por cima de um radiador, sistema de aquecimento ou num local em que esteja exposto à incidência directa dos raios solares.
- Não coloque recipientes com água em cima do aparelho (jarras etc.), porque pode provocar um incêndio ou choque eléctrico.
- Não exponha o aparelho à chuva nem coloque em locais perto de água (perto de uma banheira, lavatório, lava-loiça, tubo da máquina de lavar a loiça, piscina ou numa cave com humidade). Se molhar acidentalmente o aparelho, desligue-o da ficha e contacte de imediato o revendedor autorizado. Retire sempre o cabo de alimentação da tomada antes de limpar o produto.
- Este aparelho tem pilhas. Deite fora as pilhas adequadamente de acordo com as considerações ambientais existentes no seu país. Contacte as autoridades locais para obter informações sobre a destruição ou reciclagem de pilhas.
- Não sobrecarregue tomadas de parede, extensões nem receptáculos, porque pode provocar um incêndio ou choque eléctrico.
- Deve colocar os cabos de alimentação de forma a não serem pisados nem entalados por objectos, tendo em especial atenção os cabos ligados a fichas, a receptáculos e ao ponto de onde os cabos saem do aparelho.
- Para proteger o aparelho de trovoadas, ou quando não for utilizá-lo durante longos períodos de tempo, desligue o aparelho da tomada de parede e desligue a antena ou o sistema de televisão por cabo.
  Deste modo, o aparelho não sofre eventuais danos provocados por raios e descargas em cabos de alta tensão.
- Antes de ligar o cabo de alimentação de CA à tomada do transformador de CC, certifique-se de que a designação de tensão do transformador de CC corresponde à alimentação eléctrica local.
- Nunca introduza objectos metálicos nas aberturas do aparelho. Se o fizer, pode provocar choques eléctricos.
- Para evitar choques eléctricos, nunca toque no interior do aparelho. A caixa do aparelho só deve ser aberta por técnicos qualificados.
- Introduza o cabo de alimentação completamente até ao fim. Quando retirar o cabo de alimentação, certifique-se de que o segura pela ficha quando puxar a mesma da tomada. Não toque no cabo de alimentação com as mãos molhadas.
- Se o aparelho não funcionar normalmente - em particular, se o aparelho emitir ruídos ou cheiros invulgares – desligue o aparelho de imediato e contacte o revendedor autorizado ou centro de assistência técnica.
- Certifique-se de que retira a ficha de alimentação da tomada se o aparelho de televisão não for utilizado ou se o utilizador não estiver em casa durante um período de tempo longo (especialmente quando crianças, idosos ou pessoas com deficiências forem deixadas sozinhas em casa).
  - Poeira acumulada pode provocar um choque eléctrico, uma fuga eléctrica ou um incêndio, fazendo com que o fio de alimentação produza faíscas e aqueça ou deteriore o isolamento.
- Contacte um centro autorizado de assistência técnica quando instalar o produto em locais sujeitos a poeiras excessivas, locais sujeitos a temperaturas altas ou baixas, locais com muita humidade, locais onde se utilizem substâncias químicas e locais onde o monitor esteja a funcionar 24 horas por dia como em aeroportos, estações de comboio, etc. Se não o fizer, pode provocar sérios danos no produto.
- Utilize uma ficha e uma tomada devidamente ligadas à terra.
  -Uma ligação de terra deficiente pode causar choque eléctrico ou danos no equipamento. (Só equipamento de classe 1.)
- Deve puxar a ficha da tomada para desligar o aparelho da corrente, de forma a deixar a ficha pronta a ser utilizada.
- Não deixe as crianças mexer no produto.
- Guarde os acessórios (bateria, etc.) num local seguro fora do alcance das crianças.
- Não instale o produto num local instável, como uma prateleira inclinada, um chão desnivelado ou um local exposto à vibração.
- Não deixe cair ou provoque qualquer embate no produto. Se o produto estiver danificado, desligue o cabo de alimentação e contacte um centro de assistência.
- Desligue o cabo de alimentação da tomada e utilize um pano seco e macio para limpar o produto. Não utilize quaisquer produtos químicos como cera, benzina, álcool, diluentes, insecticida, ambientador, lubrificante ou detergente. Tal pode danificar o aspecto do produto ou eliminar a impressão do mesmo.
- Não deixe cair gotas ou salpicos em cima do aparelho.
- Não destrua as pilhas através de fogo.
- Não provoque curto-circuito, nem desfaça ou sobreaqueça as pilhas.
- Existe perigo de explosão se a pilha for substituída incorrectamente. Substitua-a apenas pelo mesmo tipo de pilha ou por uma equivalente.
- **AVISO - PARA EVITAR O ALASTRAR DE UM INCÊNDIO, MANTENHA SEMPRE AS VELAS OU OUTRO TIPO DE CHAMA LONGE DESTE PRODUTO.**

Regulatory Compliance Statements

Your Samsung product compliance class is marked in the user manual.

- Federal Communications Commission (FCC) - USA
- Industry Canada Equipment Standard for Digital Equipment (ICES-003) - Canada
- Voluntary Control Council for Interference (VCCI) - Japan
- Bureau of Standards Metrology and Inspection (BSMI) - Taiwan
- Ministry of Information and Communication (MIC) - Republic of Korea
- Italian Post Ministry (Homologation) - Italy

FCC Class A Notice

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

NOTE:

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.
Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC Class B Notice

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-- Reorient or relocate the receiving antenna.
-- Increase the separation between the equipment and receiver.
-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-- Consult the dealer or an experienced radio/TV technician for help.

User Information

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. If necessary, consult with your dealer or an experienced radio/television technician for additiona suggestions. You may find the booklet called How to Identify and Resolve Radio/TV Interference Problems helpful.
This booklet was prepared by the Federal Communications Commission. It is available from the U.S. Government Printing Office. Washington, DC 20402, Stock Number 004-000-00345-4.

The party responsible for product compliance:

SAMSUNG ELECTRONICS CO., LTD.
America QA Lab of Samsung
3351 Michelson Drive
Suite #290, Irvine, CA92612 USA

Warning

User must use shielded signal interface cables to maintain FCC compliance for the product.
Provided with this monitor is a detachable power supply cord with IEC320 style terminations.
It may be suitable for connection to any UL Listed personal computer with similar configuration.
Before making the connection, make sure the voltage rating of the computer convenience outlet is the same as the monitor and that the ampere rating of the computer convenience outlet is equal or exceeds the monitor voltage rating.
For 120 Volt applications, use only UL Listed detachable power cord with NEMA configuration 5-15P type (parallel blades) plug cap. For 240 Volt applications use only UL Listed detachable power supply cord with NEMA configuration 6-15P type (tandem blades) plug cap.
This television receiver provides display of television closed captioning in accordance with Section 15.119 of the FCC rules. (TV broadcast receivers with picture screens 13 inches or larger in diameter models only)

ICES-003 Class A Notice - Avis NMB-003, Classe A

This Class A digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

ICES-003 Class B Notice - Avis NMB-003, Classe B

This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

VCCI Class A Notice

この装置は、情報処理装置等電波障害自主規制協議(VCCI)の基準に基づくクテスA情報技術装置です。
この装置を家庭環境で使用すると電波妨害を引き起こすことがあります。
この場合には使用者が適切な対策を講ずるよう要求されることがあります。

VCCI Class B Notice

この装置は、情報処理装置等電波障害自主規制協議(VCCI)の基準に基づくクテスB情報技術装置です。
この装置は、家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。
取扱説明書に従って正しい取り扱いをして下さい。

BSMI Class A Notice

The following statement is applicable to products shipped to Taiwan and marked as Class A on the product compliance label.

警告使用者：
這是甲類資訊類產品，在居住環境中使用時，可能會造成射頻幹擾，在這種情況下，
使用者會被要求採取某些適當的對策。

European Notice(Europe Only)

Products with the CE marking comply with the EMC Directive (2004/108/EC) and the Low Voltage Directive (2006/95/EC) issued by the Commission of the European Community.
Compliance with these directives implies conformity to the following European Norms:

- EN55022: Radio Frequency Interference
- EN55024: Electromagnetic Immunity of Information Technology Equipment
- EN61000-3-2: Power Line Harmonics
- EN61000-3-3: Voltage Fluctuations
- EN55013: Radio disturbance characteristics of broadcast receivers and associated equipments
- EN55020: Electromagnetic immunity of broadcast receivers and associated equipments

European Class A Warning

This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.
(If the user manual declares the product as Class A, following statement applies.)

업무용 방송통신기기 A급기기 (MIC Class A Notice)

이 기기는 업무용(A급)으로 전자파적합등록을 한 기기이오니 판매자 또는 사용자는 이 점을 주의하시기 바라며, 가정외의 지역에서 사용하는 것을 목적으로 합니다.

가정용 방송통신기기 B급기기 (MIC Class B Notice)

이 기기는 가정용(B급)으로 전자파적합등록을 한 기기로서 주로 가정에서 사용하는 것을 목적으로 하며, 모든 지역에서 사용할 수 있습니다.

Italian Homologation Notice

Questo apparecchio e fabbricato in conformita al D.M.28.08.95 n.548
ed in particolare a quanto specificato nell Art.2, comma 1.
Questo apparecchio e fabbricato nella U.E. in conformita al D.M.28.08.95 n.548
Art.2, comma 1 ed al D.M.26.03.92 Art.1

-. For products produced in countries except European Community
Questo apparecchio e fabbricato in conformita al D.M.28.08.95 n.548
ed in particolare a quanto specificato nell Art.2, comma 1.

-. For products produced in European Community
Questo apparecchio e fabbricato nella U.E. in conformita al D.M.28.08.95 n.548
Art.2, comma 1 ed al D.M.26.03.92 Art.1

Important Safety Instructions (UL Only)

1) Read these instructions.
2) Keep these instructions.
3) Heed all warnings.
4) Follow all instructions.
5) Do not use this apparatus near water.
6) Clean only with dry cloth.
7) Do not block any ventilation openings, Install in accordance with the manufacturer's instructions.
8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11) Only use attachments/accessories specified by the manufacturer.
12) Use only with cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13) Unplug this apparatus during lightning storms or when unused for long periods of time.
14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

WARNING: To prevent damage which may result in fire or electric shock hazard, do not expose this appliance to rain or moisture.

- ***Ventilation***

Do not place the apparatus in a rack or bookcase. Ensure that there is adequate ventilation and that you've followed that manufacturer's instructions for mounting and installation.

MPR II Compliance (MPR II applied model only)

This monitor complies with SWEDAC(MPR II) recommendations for reduced electric and magnetic fields.

- ***EPA applied model only***

As an ENERGY STAR Partner, Samsung has determined that this product or product models meets the ENERGY STAR guidelines for energy efficiency.

Mercury Statement (LCD Monitor, LCD TV, DLP Projection TV, Projector for USA only)

Contains Mercury, Dispose According to Local, State or Federal Laws

AA68-03242L-04

(U.S.A. Only) Digital Television Transition Notice:

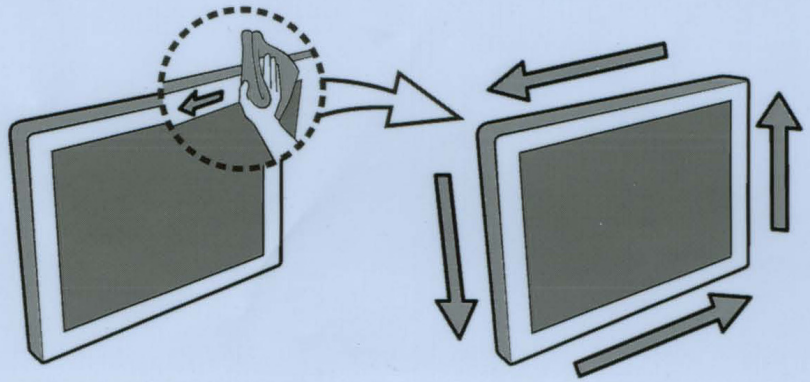
This device contains a digital television tuner, so it should receive digital over the air TV programming, with a suitable antenna, after the end of fullpower analog TV broadcasting in the United States on June 12, 2009.

Some older television receivers, if they rely on a TV antenna, will need a TV Converter to receive over the air digital programming, but should continue to work as before for other purposes (e.g., for watching lowpower TV stations still broadcasting in analog, watching pre-recorded movies, or playing video games).

When a Converter is used with an older television receiver, a signal splitter might be necessary to continue to receive low-power analog broadcasts via an antenna. For more information, please see www.DTV.gov or call 1-888-CALL-FCC.

For information on the TV Converter program, and on government coupons that may be used toward the purchase of one, see www.dtv2009.gov, or call the NTIA at 1-888-DTV-2009.

BN68-01600A-02



BN63-01798B

청소 전, 전용 천의 먼지를 충분히 털어 주세요.
전면 캐비닛은, 제공된 전용 천 또는 이와 유사한 세척용 천에 분무기를 이용하여 물을 4~6회 분사한 후, 한 방향으로 천천히 닦아 주세요.
닦았을때 물기가 많으면 얼룩이 생길 수 있습니다.

Make sure to brush off the dirt on the provided cloth before cleaning the cabinet. Make sure to spray water 4-6 times onto the provided cloth or other cloth for this purpose before cleaning the cabinet wiping in one direction. After cleaning, wipe the cabinet to remove any moisture.

Veillez à enlever la saleté à l'aide du chiffon fourni avant de nettoyer le châssis. Veillez à asperger d'eau 4 à 6 fois le chiffon fourni ou un autre chiffon avant de nettoyer le châssis en frottant dans une seule direction. Après le nettoyage, essuyez le châssis pour enlever l'humidité.

Vergewissern Sie sich, dass das mitgelieferte Tuch sauber ist, bevor Sie es zum Reinigen des Gehäuses verwenden.
Besprühen Sie das mitgelieferte Tuch 4-6 mal mit Wasser. Reinigen Sie das Gehäuse, indem Sie das Tuch gleichmäßig in eine Richtung bewegen. Wischen Sie das Gehäuse nach dem Reinigen trocken.

Prima di effettuare la pulizia del telaio, assicurarsi che il panno appositamente fornito sia pulito. Spruzzare 4 o 6 volte d'acqua il panno fornito, o un altro panno adatto allo scopo, prima di pulire il telaio strofinando in un'unica direzione. Dopo la pulizia, asciugare il telaio per rimuovere ogni traccia di umidità.

Elimine la suciedad del paño suministrado antes de limpiar la caja. Rocíe 4-6 veces con agua el paño suministrado o cualquier otro y páselo sobre la caja siempre en la misma dirección. Después de limpiar la caja, séquela cuidadosamente para eliminar la humedad.

Sacuda o pó do pano fornecido antes de limpar a caixa.
Borrife o pano fornecido ou qualquer outro pano 4-6 vezes com água antes de limpar a caixa do aparelho e depois passe o pano numa única direcção. Depois da limpeza, passe um pano seco sobre a caixa do aparelho para remover a humidade.

Przed przystąpieniem do czyszczenia obudowy należy strzepać brud z dołączonej szmatki. Należy najpierw 4-6 razy spryskać szmatkę wodą, a następnie wyczyścić obudowę, przecierając ją w jednym kierunku. Po zakończeniu czyszczenia wytrzeć obudowę na sucho.

Перед очисткой корпуса, сотрите с него пыль с помощью прилагаемой ткани. Перед очисткой корпуса вытирающими движениями в одном направлении увлажните прилагаемую или другую подходящую ткань распылителем влаги (распылите 4-6 раз). После чистки вытрите корпус до полного удаления влаги.

清洁机壳前，请确保掸去随附的布片上的灰尘。
清洁机壳前，请确保向随附的布片或用于此目的的其他布片上喷水 4-6 次，清洁时，请沿一个方向擦拭。
清洁完成后，请彻底擦掉机壳上的水份。

SAMSUNG COLOR TELEVISION & PROJECTION TELEVISION & PROJECTOR

LIMITED WARRANTY TO ORIGINAL PURCHASER

This SAMSUNG brand product, as supplied and distributed by SAMSUNG and delivered new, in the original carton to the original consumer purchaser, is warranted by SAMSUNG against manufacturing defects in materials and workmanship for a limited warranty period of: **(90 Days Parts and Labor for Commercial Use)**

Categories	Parts	Labor	Size	Service
LCD TV	1 Year	1 Year	37 " and Lager	Carry-In or In Home
			32" and Smaller	Carry-In
Projection Television Plasma Display DLP Projection TV	1 Year	1 Year	All	Carry-In or In Home
Color Television	1 Year (Excluding Picture Tube *)	1 Year	25" and Smaller	Carry-In or In Home
			Under 26 "	Carry-In
DLP Projector	2 Year (Excluding Lamp **)	2 Year	All	Carry-In or In Home
LED Pocket Projector	1 Year	1 Year	All	Carry-In

* 2 Years Picture Tube (CRT) on Analog Color TV
** 180 Days after Purchasing and 600 Hours of Use Lamp on DLP Projector

This limited warranty begins on the original date of purchase, and is valid only on products purchased and used in the United States. To receive warranty service, the purchaser must contact SAMSUNG for problem determination and service procedures. Warranty service can only be performed by a SAMSUNG authorized service center. The original dated bill of sale must be presented upon request as proof of purchase to SAMSUNG or SAMSUNG's authorized service center.

SAMSUNG will repair or replace this product, at our option and at no charge as stipulated herein, with new or reconditioned parts or products if found to be defective during the limited warranty period specified above. All replaced parts and products become the property of SAMSUNG and must be returned to SAMSUNG. Replacement parts and products assume the remaining original warranty, or ninety (90) days, whichever is longer.

Certain products are eligible for In-home service at Samsung's discretion. To receive in-home service, the product must be unobstructed and accessible to service personnel. If during in-home service repair can not be completed, it may be necessary to remove, repair and return the product. If in-home service is unavailable, SAMSUNG may elect, at our option, to providefor transportation of our choice to and from a SAMSUNG authorized service center. Otherwise, and for 25" and smaller television (for LCD TV, 32" and smaller), transportation to and from the SAMSUNG authorized service center is the responsibility of the purchaser.

This limited warranty covers manufacturing defects in materials and workmanship encountered in normal, and except to the extent otherwise expressly provided for in this statement, noncommercial use of this product, and shall not apply to the following, including, but not limited to: damage which occurs in shipment; delivery and installation; applications and uses for which this product was not intended; altered product or serial numbers; cosmetic damage or exterior finish; accidents, abuse, neglect, fire, water, lightning or other acts of nature; use of products, equipment, systems, utilities, services, parts, supplies, accessories, applications, installations, repairs, external wiring or connectors not supplied or authorized by SAMSUNG which damage this product or result in service problems; incorrect electrical line voltage, fluctuations and surges; customer adjustments and failure to follow operating instructions, cleaning, maintenance and environmental instructions that are covered and prescribed in the instruction book; reception problems and distortion related to noise, echo, interference or other signal transmission and delivery problems; picture tube (CRT) brightness related to normal aging, or burned-in images. SAMSUNG does not warrant uninterrupted or error-free operation of the product.

THERE ARE NO EXPRESS WARRANTIES OTHER THAN THOSE LISTED AND DESCRIBED ABOVE, AND NO WARRANTIES WHETHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, SHALL APPLY AFTER THE EXPRESS WARRANTY PERIODS STATED ABOVE, AND NO OTHER EXPRESS WARRANTY OR GUARANTY GIVEN BY ANY PERSON, FIRM OR CORPORATION WITH RESPECT TO THIS PRODUCT SHALL BE BINDING ON SAMSUNG. SAMSUNG SHALL NOT BE LIABLE FOR LOSS OF REVENUE OR PROFITS, FAILURE TO REALIZE SAVINGS OR OTHER BENEFITS, OR ANY OTHER SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES CAUSED BY THE USE, MISUSE OR INABILITY TO USE THIS PRODUCT, REGARDLESS OF THE LEGAL THEORY ON WHICH THE CLAIM IS BASED, AND EVEN IF SAMSUNG HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. NOR SHALL RECOVERY OF ANY KIND AGAINST SAMSUNG BE GREATER IN AMOUNT THAN THE PURCHASE PRICE OF THE PRODUCT SOLD BY SAMSUNG AND CAUSING THE ALLEGED DAMAGE. WITHOUT LIMITING THE FOREGOING, PURCHASER ASSUMES ALL RISK AND LIABILITY FOR LOSS, DAMAGE OR INJURY TO PURCHASER AND PURCHASER'S PROPERTY AND TO OTHERS AND THEIR PROPERTY ARISING OUT OF THE USE, MISUSE OR INABILITY TO USE THIS PRODUCT SOLD BY SAMSUNG NOT CAUSED DIRECTLY BY THE NEGLIGENCE OF SAMSUNG. THIS LIMITED WARRANTY SHALL NOT EXTEND TO ANYONE OTHER THAN THE ORIGINAL PURCHASER OF THIS PRODUCT, IS NONTRANSFERABLE AND STATES YOUR EXCLUSIVE REMEDY.

Some states do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

To obtain warranty service, please contact SAMSUNG at:

Samsung Electronics America, Inc.
105 Challenger Road
Ridgefield Park, NJ 07660-0511
1-800-SAMSUNG (7267864) – www.samsung.com
1-800-749-0260 : Only Projector

IMPORTANT WARRANTY INFORMATION REGARDING TELEVISION FORMAT VIEWING

Standard screen format televisions (4:3, the aspect ratio of the screen width to height) are primarily designed to view standard format full-motion video. The images displayed on them should primarily be in the standard 4:3 ratio format and constantly moving. Displaying stationary graphics and images on screen, such as the dark top and bottom letterbox bars (wide screen pictures), should be limited to no more than 15% of the total television viewing per week.

Wide screen format televisions (16:9, the aspect ratio of the screen width to height) are primarily designed to view wide screen format full-motion video. The images displayed on them should primarily be in the wide screen 16:9 ratio format, or expanded to fill the screen if your model offers this feature, and constantly moving. Displaying stationary graphics and images on screen, such as the dark side-bars on non-expanded standard format television video and programming, should be limited to no more than 15% of the total television viewing per week.

Additionally, viewing other stationary images and text such as stock market reports, video game displays, station logos, web sites or computer graphics and patterns, should be limited as described above for all televisions. Displaying any stationary images that exceed the above guidelines can cause uneven aging of picture tubes (CRTs) or Plasma Display Panels that leave subtle, but permanent burned-in ghost images in the television picture. To avoid this, vary the programming and images, and primarily display full screen moving images, not stationary patterns or dark bars. On television models that offer picture sizing features, use these controls to view the different formats as a full screen picture.

Be careful in the selection and duration of television formats used for viewing. Uneven CRT or Plasma Display Panels aging as a result of format selection and use, as well as other burned-in images, is not covered by your Samsung limited warranty.

BP68-00263D-00